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6398	353	1306	Q HEIQMGPPLINRCKEILLPTTVPFAITHRIWLIGGLLPPFLLLSGLG RPTEGSSEVAIKIDIFPFGSFDQYQGCSEKVMERKLTDQGDYFIFK DIEAKQNVYFRMWHQKELAHMLNQGVLPJNQMTTTHAVAILYFTLN SNWHSDFTRMASVARTPQQYERSHFKPLHYHTLSIAQLLRKD SIMENGTLCVEVHYITKDVHVFATYTGATIRGQFPLRQD QEFGNQTLPTIFTCLGAPQVYPSLKEVILIPYYELEFWINMSYH PRGDWLUQRSTGNTLSTYNCOLLKASSEKKCIPDPPIATAALSFLTS VIIFSKSRV
6399	75	1245	PNLETFYRRCEDNSDFTPIHTTVCKRQAVVSPPTK PRGMADSLSTPLSPSPERLAKLHPSPKELLEYVQKMAECAEAN EDLKKLELYKEACESGGHQKLECDLQRESEIABLQKAISDWQC LFQEREHVRLRLYSENDRIMIRELEDEKKIQLLAVALDGEVT YFCCKEPPIKVTLQTETIQAQGEESQSSAFAKDPKISKRRPBR EKSSEHHYORDIOTLILQLOEALAOALQGEEQTKLSREQIBGLIISD RHLHLEEIVQVHQHQNQKLIETKLNJHTQELLYESTKQDPLQLR SENQNEKEKSWMELKUNLMSKIKOYRVCCKKEDKQKVLPPVMHE SHIAQSYEIKVMSLRCNEVVYPSGRVBGIPGNLQFVM
6400	2520	1053	KTKKCDDEVVBBVQSAIILRHNCVQYVMTKGKHFHNLKDFETWL DNISVTFSLSLTDLQRMNTTLNHLISLSGAVCQLRHLSSNNLETLLRK DFLKLPLLELSFLKLWLPDQTLTTCUMLSQWNKVISACTEUVN QTACKNLGWQIDDSVSVQDALHWNKVKYLLKALEMLRMQKLDCHAEFTS SLIGHSARVYALLYVHDGLLCTGSDDLSLQWVQCVG SDVYNDDELILVSGSADPFTVKWALSAQGTCNTLNTLHTEWNTKV VJLQCKVKVSLLHSFGDQVLLSADKYSIKWNPYGRBNECKLKT SVSEDRSICLQFRHLFDLGKIVCSAALGVNDFASYDILRVIK TPEINALLGPGDIFLFDNRYLYIMDLATTESLISRMLPPEY RKSKRGSSFLAGEASLWNLQGHDNYDTGLVFASTMPSDHSIHLVLM KHII
6401	109	766	FGAAWSRPDLRGCCGTGPOALRMLVLPSCPQPLFASVTEIMG PPRTRCRSPFPGPSSISGSQPAASSPPRNHYLLIDTQPVPTVLT VDRSSQREPGAGSGAPGQGKCYSCPVCSRVEFYMSYLQRH5IHTHS EVKPKPECDCIGKAFKPARSHLARHHSIHLQCGGRPHCPCLPCCRPF RDAGELQHSRVRHSGERPPCOPCHPCRPMFPEQNLQKHMTRKHMF
6402	1196	279	TGCCCCGIRGSQAIPTVAVSMWFAIICLRAVALLLPLPEQKQDPRKEN GAENSNQIQLGGNTSESSESTCSKSHDGDKPFIAPPSSPLRKQE LENPLRCSLILACSAVYALAUQGQNLMLWNLKLLDQHLSLKF LGHLYAEEALISLORISDAITHLNPNRTVDLSLGISNQEDQGS DGNEEMAMESSGKAPOCPSPVNSARTVNLIFNLSGAYCLRESEY DKARAKLCHQAAQSMIHPKEVPEAIIALLAVLLELQNGTQCLALQII KRNLQPLVTHSEVERKPKVFPQVPHIOPQICMPAFTTVQRK
6403	2	1690	RGIHTSVLQGNLQHQYSHNVVIMNLNNLNTVQOORNLITLHQ RSVUDITSAQIAORIKNDFONLQOQVFLQAKKUTDWWKVKQS1QLT AANNSALAKNNNTDLRMMNSQJNSFTQGMENITITSCAQNLK DLQDLHKDAAKNTAIEKFQNLQEEFRPQLFETTDIVNIIISNISTAH LRLTTSNLMNEVTRTCTTULTKHFTDLSLANTLANIIRLDBVSRL MQQDLMBSRSLTUVNLSVIMEEMKLVDNSKGQKLKNTFQJLGP PQPRGPBGDRSGQGPQPGPQGMKQGKGEKGTPGPGPQGAGRPGIPG PAGPPGPGDRSGQGPQPGPQGMKQGKGEKGTPGPGPQGAGRPGIPG GKGGIPLCPQGQPCPQCLQGTGQPVPPQPCPQGPGPQGAGRPGIPG KQPGPPGPGPSGAVVPAQNLNEPTPAPAEINSPKHWNKTDKCY FSVKEKEIPFDALKPCEDKSSHLVFTREBZQWIKQMGWRESH WIGLTDSERENBNWKWLGDTSQPDYKWNKAGQDQDNWGHQHGPBDC AGLIYAGQWNPDQCEWVNFFICEKDRETVLSA
6404	1012	222	AAALAMAAPAPGLISVFSSSQELGAALAQVAORAACCLLAGARA

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			RFLAGLSGGSLVSLKELPAPAVPAGCPASLARWILGFCDERLV PFDDHAESTTYGLYRTHLLSRLIPESQCVITINPEVVEAAEDYA KKLRLQAFQGDSIPVFDLWGLGVGPFGDTSCLFDPDLPLQRREKI VAPISDSPKPPPPQQPVTVLTIPVLAARTIVFTVAGTKEQAVAKRLV LEDQEJENPLPAALWQPHITGKLWCFLEBAEARLLTPTVFEKHPL
6405	1	1456	AALPRPTPPLPGRGETQKQHAAASMTYRGLRIVAVATRNRHPSR TAQRAAAQVQLGSSCSFNNHLOVOCCQORNLHLYHEMSSMELQR AGVSVEKGYVAKSPDEAYAAKAKLGSKDVQVIAKACVGLLARGHGTQ FESGLKGKVKLVWSPEAKAVQSMSGIQLKFTPKCZGEKGRICNQ VLVCERKYRPREYYFAITMERSPGQVLPGLGSSHQVNIDEVAWS TPEAJIKEDIDISBQIKKEBQKAGMGPNNHGMEVSAEANNVK LVSFLFKYDAMWIEINMVREDSDGAVLQNDKANIDENDSNSAYPK KIFDLDWTHQEDERDKDAAKANLNYGILDGNQGICLNGAGLAMA TMDIIKLHGTQTPANFLDVGGATVHGTTEAFLKTLSIDSKVNLIL WVPGGNCRCDVIAQGIVNMVAKEDS1KIPVUVVLRQGTRVDRKA LIADSLGKTLACIDDLDEAARVVVK1S1EVITVLAKQAEYDVVKFQLP I
6406	1036	167	HPRQRNQRTETPEAPFYPSSGRDY5IKTEVSGCPEITDVGAPFAD DDDDDHHDDHEDNKMNDDSGMDPERLAKPNAVFLRVLDENLDRM VPISKQPKKEKQIAITSCSQRPFPEOEARIKR1YTLKSCRMPC KNGMEMPRTPTPHLSEMAENILAAUACESETRAAKRANKMLTETQ SSQDEPIALDQHQRDGAATHTSTYLSPEASSYSDPFPVYANGGLN YSGRYGALSSNLLQPPASLQTNQGHNSNGSEKARALASRSPMSK CRAALGSGMGRGKRCRUVN3RCGLTA
6407	492	150	VGLCLAVSTVLAQDALLVFPVQAOALSCTLSPLQHVTIRDVG SWYQQRASGAPRIVLYLRSSEDDHHRPADI1DPRPSAKADEAHAN VLTISPVQPEDDADY1TC5VUGGFSF
6408	1458	903	RGCTTSSQARLPGVQKRNTRNIRKCYFCGSPYIPOHGMFVR NDCKVFRFCKSCKHNFKNNPRKVRWTMKAFLKAKGELLTVN STEPEKRNEP1KQYRLENWKNTIDAMKVER1KQRAKFIWMS LKNKNEKLQXVD1KEVKON1HLL1RAPLAGKGQLBEKWNVQLQE DVMEDMAP
6409	150	446	NTIALALR1RCPTFCGCGGTAPAPPAA1CIV1PQVNPV3CQDFGP GPACLP1KTPSYLPRCHRTYSCV1CRHALDELHS1KSFQG5 HGRAYLFNSV
6410	85	607	RGTAGCWCALCGWCGOSSPKRAAFPAGSACIADS1CP1L1PQAC AISGLPNCT1H/LN1AAGVWMINNAFILL1CEBAPPCCQF1SEA NTVAEKVDRLRSWQKAQVFCGMAVVFIV1S1/T1LTTGNAJIAFA TGVLYLGSALOKGKQDAS1YAR1QORQODAEEBLASTL8EGEL
6411	302	772	RIS1MSSALR1R1GGSRITYVKGDLQCPKTD1SALHC1EDSCRM GAGIAVLFKKFFGCGCBL1LQOK95GEAV1LKDRGCRYIY1LTK KRASHETTYLNOKSLRMRMKQHLCKNGV1DLSMPRICGQDRLDQ WENSAMIEEFEATD1K1TVYT
6412	61	1709	RPVTS2PLP1GSCCGRLG1RTMLGSLREVSALKQG1TFTEL CQKCLSL1KTYKTFKLNY1TVESEBVALQAESEKRYQHNSQ1GD LDGIPLAIVEKDNFTGSTIETTCACSNLH1QYPPYNNATVQKLLDQ GALLMGKNT1LDEPMGCGSTDGVFGPVYQPMSSYSKOYRKRQK PHSNEEDSMW1LITGSSGSSAARASAPTCY1AALGSDTIGGSTRNP AMICGJVGPK1S1C1VSNHGL1PWN3MDV111TCVQD12A1V 1CALAGPDPRDTTVEHPIKPFMLPS1ADVS1KLC1G1P2K2YLY PELSSEVQSLNSKAD1FESGAKV1EVSLPHTSY51ICVYH1VLC TSEVANSMARFDGLQYQHRCIDVSTEAMYAA1TREGFNDVVRG RILSVEFPLKNNY1VYVKAQVVRRL1ANDFVNAFNSGVDL TPT1LSEAVPYLF1KEDENRTRSAQDD1FTQVNMAGLPAVS1P VALSNGQ1P1G1Q1P1G1F1GRCDFQOL1TVAK1PEKQVQ7P1V1Q1Q5 1MD0CSA1VLENRKLASVLSKQ

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			FAPWGGPPVRLRTYLGDPIPYDPQTIAELAEKTKNAVQALD KHQRIPQHMSALLERFW
6421	1844	362	WALSLLRQPFRPMNSKLSPFHPSVUVRSEFKNMASPAVLRASRL YQWSLKKSSAQFLQSLPQLRQVQIIRVPRMAATLLEPLPACRCW DEPVRIAVRGLAPFQPQVILRASLRDEKGAFQAHARYRADTIGE LDLERAPALGGSFAGLPELMQMLALPEPKPLVRLIKRDRVPLFLA VELEVLDLGDHPDPLQTHRYFLPQGRVREVRVCRVGRVGT IFLPPEPGFPGPIVDMGOTDGCGLEYLAASLJLGKFAVMALAYY NYEDLPKTMETLJLBYFEEAMYLHSPEPKPGVPGVLLC1SKGG ECLCSMASFLKGITAAVUVVGSVAVNGGTLRYKETLPPVGVNR NRIKTVKDQYAVDVINSLEPDKQFIPVVERAESSTFLFWVG QDDINRHKSEFYANEACKLQAHQRKPKPCTGHYLPYPF PLCRASLHALGSP1INGEBRAHAMQDAMKLCQTPTFHNLG CREGTIPSPKV
6422	181	2133	EGBENLSWFQEFWDHIAKSFYKTPCPGPFRLRNYDVTKGKIFIE WNKGATTHCYVNULDNWHEKKLGDKVAFWMEGNEPGETTQTY HQJLUVOCQPSNVLRXQGIIHKGDRVAIYMPMIPELVVMALACAR IGALHSIVFAGFSSESLCEERILDSSCSLLTIDAFYGEKLVNL KEHALSALQKQEKGFPRVCCIVWHLGAEGLGMDSTQSPPI KRCSPFDVQLSNMGIDLWHELMQEAGDCCEPENCAODPLFIL TISGSTGPKRGWHTVGGYMLYVATTFTKVDHADEVNPCTAD IGWTCGHSYTYVGPMLANGATSVLNGIPTVDPVNRLNSVTDYK VTKFYTAPTAIRLMLKFGDDEPVTKHSRASLQVLTGTVGEPINEA WJLWHEVVGAQRCPVIDTFWQETGTGIMLTPLPGATPMKPMOSAT FFFGVGAFAILNESEGEELGESEAQGYLVFQKWPQGIRNTVYGNH RFETTYTFKFFPGYVWTGDCQQRDQGYWVITGRIDCMLNVSQH LSTAEVESALVHEAVABAABAVVGHVHPVKGECVCFVLCIQLGHT FSPLKTEELKKQIREKIGIATPDYIQNAPGLPKTRSGKIMRRV LRLKAQNDHDLGIMSTVADPSVSHLSPLKSRHCLTQ
6423	614	1237	ANLKEIPRDLPPTVLYLDSNQITSPEIETKDLQHLQWLNLNS KNGIIFIDEHAFKVGAETLQTLDSLDRNQSIVHNAFNLLKARA FIANNPMHCDCTLQVQLRSMASNHETAHNVICKTSLEHAGRP FLWANDADLNLNPKKTIDYAMVLTMP3CFTMVISTVYVYTRON QEDARRHLELYKLSPRSRQKIADEPDDISTV
6424	1	1188	KKVSWFVAAMVHCSCLVRKYGNFIDKLRLPTTRGGSGGMGYPR QGBCGHGCGDQVVVAARMTLQKLDRYKPRFLVAVGKQNSKISA LKSQGKEDWEIPVPGV1SVDENDGKJLGELENKENDRILVAAGGL GGKLLTINFLPLKGKRIIHLDDKLJADQVLSQKQFQKLSLSC VSIAKAPALADYAPTTLPKELGKIMYSDFPQKQISVADLPLGLIEGH MNKGMCHEKPLKHIESTRQLLPVVDISCPHIIPIISAVTGCEIELKNCIRKSL LJLTKEKLQYKELBTLKPAALLAVNMWDLPIADQKPHESLSQLQNP KDFLHILFEKHMNIPERTSVFQHIIPIISAVTGCEIELKNCIRKSL D8QANQNDHALHKCQLNLW1SDTMSTTPPSKJIAVTTSMRDI LAMBGGGGIPLETJ-KRESQSRIVLPLASFEVNSLQKSNNGPFLNG LWGCTLVAWAVAVATPFTPALEKVCFLPVPATNQLEIENVIMLR CREGSLIDIGSGDGRIVIAAAKKGPTAVGYYELNPWLNWVNYGZYHA WNGVHGSACKYIISDLNKVTFSQYNSNVITFGVQPMMLQLEKKLDE REL,EDDARVIAICRPFPHMTPDHVTEGIDTVWYADATFRGE KRCPCTSMHPOLPTQ
6425	1850	1144	LAMBGGGGIPLETJ-KRESQSRIVLPLASFEVNSLQKSNNGPFLNG LWGCTLVAWAVAVATPFTPALEKVCFLPVPATNQLEIENVIMLR CREGSLIDIGSGDGRIVIAAAKKGPTAVGYYELNPWLNWVNYGZYHA WNGVHGSACKYIISDLNKVTFSQYNSNVITFGVQPMMLQLEKKLDE REL,EDDARVIAICRPFPHMTPDHVTEGIDTVWYADATFRGE KRCPCTSMHPOLPTQ
6426	30	565	SIGAAAGGGSVAQGEGIIRGDTGHRDTAAFORFSFSPSPTEILEDIRR LIAREFAAKRLWJWQFHOPQRNLLIAVGEVSEGLARBLPWFKTCGEG PQQWSPRERNALQEEISDVLITYLVALAARCRVQDPLAVLPSLMDI NRRRYPAHLARSSSRKTYTLELPHGAISeDQAVGPAIDPCDTGCT ST
6427	145	959	AASWGGPHPVKAGKHNPSWMMICRLVVLVFGMLCPAYASAYKAVETK NIREFVWRMMWVWIFALFMAAEIVTDFISWFPTYYEIKMAFVI

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			WLLSPFTYTRGASLLYKRFVHPHPSLRLRHEKEIDAVIVYQAKERSYETIVLSFGKKGGLNIAASANAVQAATKSQGALGHLRSFSGMDLRSISCA PAPAYHDPLYLDEQVSHERRPPICGYRAGGLQDSDTEDECKSDTSEA VRPAPARPARPREKLRSQSIVVVVKRNPFPVREGTSRSLKVTRKKT VPSDVDS
6428	1982	444	SGSGGKGMEDHQHVPVIDIQTSKLLDWVDRRHCSKLUKMLVLTIR EKINNAIJDPMESSEIJAQLLSSGSTHYFHCFLRLILDLLKGTEAEST HN: FGRYSSQRQMIDWQEIIAYEKDNTYVLLVNRVNVYEEI PSLLKQIAKACQQLQGYRSRKEEEBCQAAEAKREDFPYFSCSKCYGI TGENVRGELLALVVKULPSQLAIEGAJAAQCSLGEIADVYCAGCVC VCESTPEOVLPLMURFWQRKRONSTVYEWRTGTPEPVSVRHLLEEL PDEQVAEADINWGDGFVVEASBEGTDSGISAEEAGIGDIFPESSD KDPGGDGIDWGGDDAVALQITVLEAGTOAPEPGVARGDALTULLEY TETRNQFLDELMELIFLQARAVELSESEDVLSVSQFLQALPAIL QQGTERKWMVTVMSVLEDLGILKTSQIQLQHFLMILASPRVDRVT EFLQKQLKQSQQLLAKELMWVKCOKQEALEKEQAALEPKLDLLEK TKELOKLIKADISKYSGRVNLNGTSL
6429	3413	3442	EPSSTTAAPRGPPLAAMHLEAANQEDDRRDLFSDRIRKJWANGTL WVKSVTDKDAGDLYCVARHVGDYDYLKVUVDMKPAKIEKEE NDKSKVYFGQDLKVDCTGATGPNPEISLWSLSPFGSLLVNSMPSQDS GQHTKRYVVFVNNGTYFNEVGNRKEEGDGYCFAENQVGKDEMDVR VKVUTPATIRNKTCLAVQVPGDVVTVACACEKGPMPFKVTVTLS PTNKV1PTTSESKYQ1YDQGTL1QKAQRSDSHGTYTCLVRNSAGE DRITVMIRVNVQPKPPINGNNPDITTVREIAAGGSRKLDCKAEG IPTPRVLLWAPPEGVFLWAPYGNR1TVHNGSLD1RSLRKSDSV QVCMARNRNECGERLIVOLTVLEPMEXKFIFDPISESKITAMAGH TISLMQSAQGTTPSLWVLPNPDTLQSGPQFQYKMHGKDMGH LSQLSVDAGAYCVRVARNAAGHTERLVSLEKVLGPLEANQYHNL VSIINGETLKLPCPTPGAGQGRFSWTNLQMGHLGQZQTLGRVGSV LDNGTITVREASVFDRTVYCRMETEYGPSTVTSIPVIVAYPPR ITSEPTVYITRGNITVGLNCMAAGIPTADWELDPSKSH1KAG VOARLYGNMRPLHFGQSLTIQHATORDAGYFVCKMAKN1GDSKT TYHVHE
6430	1946	602	RTRVSSTGLRBTILWSEAVGASSTRGDTG1INGSGGGAGGGGGGG AMLEMMAEDSPEDDPTPLKPTTOPPEKRRTRHEDFNKFCFVLA YAGVTPKPSKEDWDPAQGSSSPLRCS83AADDSDWGDAPSDLTMR OTPVVKAKSSKRAAQAQGPTQGPGRPSRTSFRSLQAPDSDATLLEM KLKDSLFDLQGPVQASPLSPTSLTETSTRPSLPTVPLSQCQDSL HPPRKRDKRKNRKLGPAGAGMGUVRRLPRPTPGDGEKRSRIRKKS KRLKKAERGDRDLRPPQAPPQAPSDDTDSEETTCTYCRKPFAGR TQSQDASSSEGEGRMVNDIMVESCDDSNLITYCCKPFAGR PMIECSLCGTWHILSCKAKIKTNVPEFFYQCKKCLERPEARRLG GPKKSGEP
6431	3	605	WNNSSYHLPAYAPYLPCACAMQDGRKGGAAGAKNSATTAGVGR LEEALMRKSPRLKAIKETKGRDKRKEGEPXTKHLRREEEBEGEH REELRLRNYVPEDEDLKRRRVPQAKPVAEVEKVKQLEAKRBPV IEEVLRLANLAPKPDNLKRDVAKKLEKLKRTQRATBLRER LNGQEDLILASAVDAATDFTORTCDSD
6432	56	1692	GLGLTGMSRIKQNPFTTFEVYVAYXPRFTGTLSDPEVOROFPE DYSDEQVLTQTLTKPCFPYIVDLSLTVSQVGVQWTFVJLUDLSKQR PGFCCLSSGAKSCFCPLISLWPMFVEVYKLNLTILAVYTTKQRQENQ WNELELBTLKHLIPDQGVSVHLVSNSYTFVPUVTDRPSLPIFEKRN LTYFPAVDVNNMLHLYASMLYERRILICLKLSTLTAICHOSA AMLYPMYVQHGVVIVPVLPHLLDLYCAFMPYLIQHLSLMEKVRN MALDDVVILNVDTNTLLETPTFDDLQSLPFDNVLISLXNRLLKVKSTT

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			TGGGWARAFLLQAAFPFGSYRNALKIEFEDPITFCREAFTVSHYR SGAGRCFLQNATOLFLQFQFDIGRDLINSGEGHSDVFEEEIMM GEYAGSDELYHWWLSTVRKGSGAIIINTVTKTANPAMKTVFKDI AENRGCAPIPFQQLPKTAPSPILVEAKDPLRRPRPTVHFQVR PFPRAKVKRPKNSIAVEGRRTSVPSEPCNTTATPAHLILQKSI THFAAKKPTTRPKNSSS
6433	1524	484	APVTKNKEVEFKADSKGSALDAQRDPKRPAKPETLCESGWASNIA PTTPPPQPGWCLCGDKFQKSCCOPGRKERRJATWHSNSCSFLML LPLLLLVLVATPGVGAUTDEEKLMLWELHNLRYAQGVPSFASML HMMWDEELAAFAKAYARQCVWGINKERGERGENLFIATDEMDV PLAMKEHNHEREHYNLSAATCSPQCQMCGHYTYQVWVAKTERIGCG SHFPCSKLQGEVETHIELLCVNCVNPQGNVKGDRPVQGTPCSQCF SGYHCNCNSLPIGSPEDADOLEYLVTBAPSFRATEASDSRKG AEGPKDPSVSVGINSGPGBGHWGPPLLGMLLJLPLPVLVJGIF
6434	40	2002	MPLQNLFGHAQDPTQKQJLSMILLLAGEHALZTEFEVSQTCRDPDVS EPELRQKSPLFOPAEISSLTSHHSDASTKCQCTSAFLQPAIISNN TSCLOGGABPVKKCNGKSALPQ_ARMCASLNGKNEESKLIRAKES DGRRIKELEKGEKEEIKENEKTEDETRLQKEAEPEAKSENRLDS KELRNFLRQLIDDMIAKMEPDKEIRKKELEHCKSHPFDTSY SASAKIIIISCVESPKRDKHCPHGIMIIEDPAALNPKPELKKKK KSKMDRNUDEKSTPKTCKKQRQSSSESDESIVTTEAVAKGDW IEKLDGTPTRKVTRSSGKGSILDAPKPKKKVSKREBMSKEKS SUTTKESRPPDFISIASSKNISGETPREGIAEPLTPMEDALPPS LSQKAQKEDBDCHCRKIIPTGSRKSERSCKALYKTLSCEQMLTS LRANVDRGKRSSGKGNSUHEGCWNKSENTFSQGTSGSKPKFK TPKFEDCLLGSAKALDFFRFKFPNSLQPYVSFTDRKCPVPPARKX KTKTGVSSEPTTTSKGSGDKEWSNNKFLDIAHPTPEIIFSDERNT MEFVHKVHEVNPISIINTPPTTTARTZGKOPKRSKENDHVDSPCO DTCRAGYVHEEVLMNTMUNNCGGVYVLPKLEHTMTNA
6435	2227	657	AQREAAAAYAHAYESEERFLCEESTVSGQINNISTELLQTRPLALPE VKVSKRPLRQVHLRGRPASOPTVIRGITYKAKVSEENIDIES QDDEFFPSGDNVGDLLEIQLLRRHNVLMTSVTRRAATPACTRSHTA VTSIDLNRATAPKSSALPQPSSTDPSIJIASHAVGSPFLQTTTSVSPD PTRESVLOPSPOVPATTVAHATOCOPAAPAPAVSPREALMEAM HTVPWPPTTVT2DSLQKDAAPAGRCGTTTSPSYLTSPEEDERTRVII CRKDXDLSLTICCPPTQNTYGRNTSQAMMPLANDERKNTYIYIY QNTLIVEPRMLBNFKQGRNSNSYKLPIWS1GIGHVVYNGAPYIYR ATTRNIKTYDLQKRYVAAMAHLDWVAYSEPTLQHDFPQYRNPSSHLFA VDEENGWLWLYPALDDRGESQEVIYLSQLKLNAADSLSTQKETTWGTL LRNNFYUNCFVIGGVLYAVIDSYQHQAISNTQIVPR LIFENEFYFTTQDIDYMPKORLLYAHDNGHQVYTHVIPAT
6436	1295	341	GACRCPVVRQDQDSCPDIENLLAGAVVTHENIVAGAVAIIHLCHVN YIDCVKTRMGSQLOPDPAAARYRNVLLEALMRWIRTSGLWRPMLGIL NVTATGAGPAHALYFACVEKLKKTLSDVIIIPGONSHIANGAAGC VATLILHDAAAMPAAEVVQRMQMYMNSPYHVDCVRAWVQNEGAC AIFYRSYTQIIMNPVPOAIHEMTYTFLOEBHFIPQQRYNPSSHVL SCAGACGAAATAATPLDVKCTLILNQESLAJALSHITHGTHTGMAS APTPTVYCVGKVTAVERGQVARVIIYQIPSTAZLANSVYEFKYLIT KREQEEMRACK
6437	1828	360	PPAPAPAPASPARHVTRTARGHLLGGQSRAPIPLQAVFQIOTKNNMIV LIIPTLADHGDDIWNCFCPSGSCHILASCGSTDGCTVLLNTEQNQHLAV SELPKPHTYAVHCCCPSPSGHILASCGSTDGCTVLLNTEQNQHLAV MEOPSGSPVRYCOPSDS^CLASGAADGTVWLNQKSYLYRCCG SVKDGSLLAACAFSPNGSFVVTGSCQDILTWDKMRCLHSKEKH DIGITCCDFDSQQPSVSDGEQHLQFPLASCQCDQCVKILWIVSPFH ILGFELKYSTLSGHCAPVLACAFASHDQGMVLVSGSVDSKVSIVYD

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			TNTENILITLTOHTIRIVITCAFAPATILLTLLGNGSDRK*VNIWQED LETLQDARSTHESLHQKQFTEW4SSEBDVSTWLCAQDLKDLYGIFKM NNIDGKELLNLTKESSLADDLKIESLGLRSKVLKRKIEELRTKVK5 LSSCIPDEBFICPIRELMKDPVIAASDGYSYEKEAMENWDPAKRN RTSPP
6438	109	901	EVQILKAKRNFOTUGQJIVFVYGLLAQ1VAQGFLPVFLDQTQLPLNRY NPALPLSTPAGTSITNALSNGLLSGGGLGILENLUPPLDILKKG GGTSGGILGGGLGKVTSVIPGLNN1IDKVTDPLLELGIVQSP DGHRLYVITVPLG1KLQVNTPVLPVGASLRLRJLQDILITAELARD KQEERIHLVGDCTHSWPSQLOISSLIDCLGQPLTQSGLDLSLTGICLN KVPLWVQCVNPVLPVNEVLRLGDLDTLVHDINVNLMIH3QFVIVK
6439	23	412	SICOTASATITMEASSOSQIQLQAAEKRAAEKKDAAKDRKARKE RLQAAKEACMVEBOYRREREHEFOKOAAAGNSOGLNSABEQAOAT FROVQGMSSQSSRNERVLAQOLIGMVCDVRPOVHFENYH1SA
6440	3	517	RAEENNSDMGDLPLGLVRLSIALRIQPNH3B9FVVKDQZQRFGRNT ILLTCGSSYKVVEK1KPKSTL0EN1IS1G9V1VLPELKSKSPPDQD RVVYTGTVD/TEG/TPTKSGERQPQIITMPFTDITGPVTVQWPXK PYNHHKRDHCMQWSGPSFVSIEYECKPNETRSMLWNVKNSKFL
6441	234	1373	I5GGGRRKQRPGRSNAVGEEELPPGMEKFKAAAMLQVQDAGLY RNWKCNENSTVKGNIQKLQRSGQGLDHLVLSPGEWPSNTIMHI ATAKALTTTTCWCLDLYRENNVRVCYVIEVKEPLPERDPPATPEC AQLKPNPYLLAHMTTFPNKKGSGFGAAATKAMCIGLRYWPKPERLET LEVSVCEGRMTTHNIP1GFLGSCLTALFVFSVAPQKPLVQNGRD MLRAVPLAEYCRK1IRETAEBYQEHWYFPEAKWCFYLEERK1SX DSSNAK1FPDNYDAEERKTYRKMSSEGRGHRDHPM1IAYDA LIAAGAONSTELCHRANFHGGESATAOTIAGACFLGLYQLDLVPK GLYQDLEDGEKLEDLQGALYRLSTEK
6442	34	796	AEPQDQGLADQWPAFGLKRCVGHEDWEGLAGLKTIVSYVS LOROSLLMSLVLVKLQOLCHNLVEPNLCSRSLVANTYRQ7QEEMTQ DGWNTVAPQAERAPLDRLVSTRILCRAANGQGEQAHAPSCLGD GH7QQGDLPLCPVTSQAAPPHLQSSAAHNDGPERNRGSPHKSLD QIFETLSTKNPSCMELSFSDVDSPIYLDLTUVTGNGMGGARPFC EGLEGLELAATPGPSSCSKDGLDHNVEVILNET
6443	2	555	MASPAASSVRRPPIPKEPQTLV1PENAAEYKLLKLERLMKNPDK AVPIPKHMSWAPRPPPEFVRDWVQGSSAGAGSEFFVTRHLRR BYVQDUTMD/AMMEKQKLDPEFOKRLKKNKIAEAEQATGKRRKQ KJKEKKLLAAKMMLEQKQDQEGPOOPKEQGQSSSSAFASTEEEEE VRSPVTRMR
6444	390	859	GSTRPGKMRAPIEPKPGDLIEIPFRFYYRHAIVYGDY7VVELLA PSPEVAGAGAASVMSALSTTKAIVKCKELLYQVNNKID DYSPLSPCSKIIQRAEBSLQVQEVLVYKLTSENCIFVHMLRYGVVA RSDQVRDVLLAASVGMGLAAMSLLGIVNFSRNRKQKQ
6445	2	753	AGAGAAAGAARSPEPOAHTKGVYRGLPSERESPDCCGRMELAAGSF SEQDFWEEACALEQQLQPALAGADWQLLVE7TSG1S1YRLLDKKNTLY EYKXVPGVLEDCPSLTLAD1YHDSYRQWMDYVVKLYQSEONGE TTVVYKEVYKPFM5NDRVVYLRQRHDLMEGRKINHVILARSTM P0JGERSGVIRVKQYKQSLAIESTDGKKGSKVFNMYIYDNPQGQ1P SWLINWAAKNGVWN7LKDWARACACNYLKKT
6446	1	1651	RUCYHSPPPDTGRRGTTGATCNSLASAGAIGKQGAVNEEDPLPELS DSGEAAWEDDEDADPLPHQKQOPTCLPCNRLTSABTFSHCKS EHOFNIDSVMVHKHOLBEFYQYIKLNFIRLNPTVYMSN1YNPV PWEEKSYKLKPWLEDDLLQFDFDLYE4VSVPFSYFNGLSENITS VEKLKJHMEARALSAEALARAREDQKMKVHITDWTWRT CSSSTSVIADQEDBODGVYFSSYTHGYIHESMLDKD1KRTSYRD FIYQNPHEIIFPKDKVJLUDVGC3TGILSMFPAKAGAKVVLGVQDSEI

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			LYQAMDTIRLNKLEDTITLNGKLEEVILPVVEKWDVII88NWWG FLLPEFSMLDSVLYAKXKVLIAKGGSVYPDICTISLVAWSVDVNKA DRIAFWDDYVGFMSCMKKAVIPEVNVVLEDFKTLTSEFCGIGKH IDCHTTISISDLETSFSDFTLKTTKTMTCAGYFIDVPCFHNCNN RIVZSTGPOSTKTHWQIYVFLLEKPSVSKVAGEALKGVTKVTHNK KDFRSLSLTIVLTLLNKKQSTQVYGLQ
6447	1554	1068	RIGPAEWHLSPCPATLGAANRGRALGVWEAAWRGAPLQLCRVMM SRINTLGTIPSSVKVKSVRSLSTTDGYJDLFKKTPKIPYKQIA IAATVLFILQAPLIIYLLSLLSGYISKQGDAFVPPVLIQILVFL PGFYHMLRIAYASVQKTYROSYDDIDPFFD
6448	74	559	QVILSHCYHYRSSWRQGLSRLRGAGVNLVPLVETEFGLOK FHFKPLATFSFANETITQIQRQWRHLGVAVVNDAAVILYSTLEM AVERLGRSAVELGAGTGLCIVAAALCR1YERDNNFLMLER QFIVRKVHYDPEKRFVHIEAQERNOKEDL
6449	597	1876	EVGVCENURKLEITVGSCRDVYAKCLHRYHLLGWQPDIQPYG GLLNVVUWQGLPILQWNYLPMPHDPHVDCDPMRFKPLFATHLMLERA ATVEMCYGHGPBHQHGIQIVVKKDEFSTKCNQTQDHMRSGQRQEE FRTWLREEWTRQTLDEIFHEMMQZLLUWKFIYTTSQNCINCIYTRRI YLPSSPRPDDLLIKEQGLPRTGTYGSHGLEIVMFLSPHQRARGTITG DPNIPAGQQTVEIDLRH1QDPLDNCRNNTSRLVTRVLRVRR KQEQBQGHEAEGPQRQGPRESQSPAPQRAENPQSKGPDTFG EDGGEGDQAAAEOPAQACQGPVFLPVGSNSRNEDYPTCRM CFYGTGLIAQHGHPTEPRTGPVFLFDERDFGVWLELKPSFLY SRVQATFRNADAPQAFDEMHLQHQSLSI
6450	848	269	FVPAFPTRVSGKRSLGGENEREGBEGQRTQTRGFSQNSGRARVAAR MRLLCGLMLWLSLVLQIAQTPPTPLPPLPPMOSQFQNCQPOEWF VGLLAGNSFRPEHRLNAAFTATFELSDRGEFVWNATRQHC DTNSYVLLIAPAOPGFTVDIRVWTHEQAGRPDQDPAQELVWAAS RDAGPVHLPGOSSGGLG
6451	232	939	HSPFPTPSPEASTMDVLELPFSPSLQCKEDADEBTTPYMRERWQOB ILPGLFLGPYSSAMSLSKLPLVQKGHTHICIRCNQNEANFIKP PQQQLPRYVLWLADNPVHENHILRFFPMTKFQNSLQMGKVLVH GNACISRSAATVIAIYMETFGMKTRDAFAVQCEERFCINPNAGF VHQLQEYEAIIYLAKTQMMMSPLQIERSLSVHSQTTGTSLSKKTH EDDDGTMQVATAQNG
6452	1	652	RTGESNNMMPAIALPPLKCSNSRRAKPVAKLVSITVLCVTFLFLQ LKFPLKPKINSFVAFPVKDAKGRTVSLSEKYVKGKSLVNVASDCQ LTERLPKQKELBLKPSQHPSHFSVLAFFCPSGEPAFRLFDSSKEPRWNFWK YLVNPQGQVVKFWRPEEPTEIVLRPDIALVWVHLLKIKKEDL
6453	827	223	HRWLPGLSLSPRTRLPRPLSICLICLCLC1LCLAA1GSAQSGSC RDKKNCKVVFPSQOELRKLTP1QVHVTQEGKTESAEGYTHHK DPGIYKCVVCGTPLKXSETKFDSSGWPSPFIDVINSERAITFDD FSYGMHHRVETSCSQCGAHGLHIFDDGPRPTGKRYCINSAAALSFT PAASSGTAQEGSGVVASPAQADKAEL
6454	827	223	HRWLPGLSLSPRTRLPRPLSICLICLCLC1LCLAA1GSAQSGSC RDKKNCKVVFPSQOELRKLTP1QVHVTQEGKTESAEGYTHHK DPGIYKCVVCGTPLKXSETKFDSSGWPSPFIDVINSERAITFDD FSYGMHHRVETSCSQCGAHGLHIFDDGPRPTGKRYCINSAAALSFT PAASSGTAQEGSGVVASPAQADKAEL
6455	1042	173	RVHLATVSAAAANDALGLPVRSHMQGSTRRNGWIVDVIIRHFLQL LMTHGQVLEEDWVKRQIOTHQCYKVHDNRNATVOKLIEDFINNINSVL SLY1IB1RKGVTEDDRP1YALVNLATTISKMATFPAESELDF RKALELIIDSETGFASSTMLN1LVDQLKGKMMKKKA1BQVLQKF VQNKWLIEKEGETLHGRAILEM6QVIRETYPDAAV1K1C1CHSL

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			LVEPSKLGRTLTHEHLNNTFDCCYCPFPQCRASIKEPIVPMKLNWIKQKNAVSHEKENLQMOETEAKEKELLYHKANGGALVNTTGTISRDTOTKLKLAETGHVHIISSQAFVYDATHSSETRAMSVQLTDVLMNEILHGADOTSIKOOGIGEIGCSWPPLTESFERTVKLQNTAHAAQALGCPVIIHPGRSRHPAQFQIKRLQEQGADISKVTMHSLDRTTLDKNEELFAQJCYLSDIDLGTEBLLYQLQGDFIDMPDNKRRIRVRLVWEBCdDRILVAHDIHTKTRLMLKGYGHGYSHILINNPVFMMLRGITENVPLKLLIENPQKMLTF
6465	126	1396	KMTVFFKTNRNNKKKTTAGLCLLTWGGHVLYGKHCENLRRRAVICQEAVQVGHQLIPEPNNQVAKATVFLPAACGKCFALKFEKNAQAPIHLHSGMWTIVTKTDYBQGAAKLLLEMMENTDVIIVAGGDDTQLE&VVTGVLERRTDEATTSKIPIGFPIPLSFNSLHTEFASGNKVQHITDATLAIKVGETVPDLVQIKGEKEBPPVFTAMTGLRNGRPFRADGVKVSQYVLEPLKTKRAHFSTLKEHPPOTHQASISVYGPZTERPNPEEPTFVQRPSPVLRILRRLASYWAOPCALQSQEVSPENWVDVOGSTIELSLITTRNNNQLDPTSKEDFLNICEPDTQKGDFTITGSRKVERNKLHVETCTCQASQCTTLLIPEGAGGSFSIDSSEYEEAMPVBVKLLPRLQFCDPRKR3QMLTSPTO
6466	1134	828	VAREGTTLSQLEKAHHPADMGRRRKSKRGPFFKMMTQTLTQFTCIPCNHEKSQDVKMDPRAHNTQVVISCTVCLEEQFTPTITYLSEPPDVYSDWIDACBAANO
6467	301	2571	GELRVVLAIAHRELACHAVIJASLSSLRSRSLRSLRSLMDSDMDYERPNVETKCVVQDNQAVGKTRILCARACNATLTQXGLLTHPTVPAWIAQYRCVQEVLERSRSDVUDVDSVSLRLWADTFGDHHKDRRFAYGRSDVVVLCLCQIAANPNSLHVHCKTMWYBEIHFPCRAPVILWVQGQDLDRLYADELAVNQARRPLARPKNEILPFFKGREVAKELGQPYJETSVVAQGKICVDFNAIRALISRKHQFWKSHLRNVQRPQLLQAFPLPPKPPPTIVVPPDPFSSSECQPAHLEDDPACDADVLWQJLQERVRIFAHKTYLSTSSKQYDYLFLIMLSSQEGPSEPOGTHEDRQHSDQHNNHHHHHHHHHHRDPLFLRAASFDVCEVSDSEAGSSGSPAGLRAESTSDGILRGNGTGYLFGRGRVLSGSWERAFVSIQEMARDPLTYKSRLMVVVKMDMSI1QGPFRAVLKYLTDGELDRERDLMWHAHZIAELLEVFDRMMVANLRAFNMQETIKAFVHRRTRVKECLAKGTPSDVTFLLDGDTI1SAHKPLLISSCDWMWVANPFGFVWEBSSTASVVPFTYKSCMRARLEVLYTGNFTSSPDLDGKMLLIIANRLCPLPHVALTEQYTVTOMTATOMMDIDGDVLUVELEAQHICQYQLADQCLHHTCTNYNNVCRKFRDMKAMSPENCQYFEEHRWPPVWYKEEDHQRARKEREKEDYLHJNKRQPKRRLFVPSQSSSSAASSSSPSSSSAAV
6468	3	1374	DAGAGTINAAALAPVGSPASRGPRLJAGLRLPMLQGLQLLQAAEGLGKRVHHLALKDODVRHKVHLNNTGFFKDGMWVNVNVSLLNEPEDKDVTIGFLDRTKNDGFSYSLDEDVNVCILKQKSVVTLILLIDISSRSEVRVKSPRAGTQLPKIIPSRSDEKEVLGCGQEPNVPNSAGNQTQKTCQDGKRSRSTVDSKAMGEKSFSVNNNGAVSFQFFPNISTDDQEQGELSYLPHFKCLGKELPSDKFPTSLDDEITEKRNPDSYLSA GRIPLPLKLYISMAFFPFLGSTIWIHILRKRENVDPKHNLMAALPFTKSLSLVPHAIHDYHVISSQQPPPIRGWAVWVYVYIHLKLKGALL?ITIALIGTGKAFIKHLSKDKDQKLFMIVI1PVRVLANVAYVIIIESTREGTTTGYGLWKEDSLPLVVDLCCGAILPPVWNSIRHLQEASATDGKQKPSRHTVFLSLL
6469	3	1374	DAGAGTINAAALAPVGSPASRGPRLJAGLRLPMLQGLQLLQAAEGLGKRVHHLALKDODVRHKVHLNNTGFFKDGMWVNVNVSLLNEPEDKDVTIGFLDRTKNDGFSYSLDEDVNVCILKQKSVVTLILLIDISSRSEVRVKSPRAGTQLPKIIPSRSDEKEVLGCGQEPNVPNSAGNQTQKTCQDGKRSRSTVDSKAMGEKSFSVNNNGAVSFQFFPNISTDDQEQGELSYLPHFKCLGKELPSDKFPTSLDDEITEKRNPDSYLSA

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			GELIPFLKLYISMAFFFLSGTIIWHLRKKRNDVFKHLHWLMAALPTTKSLSLVFHIAIDHYHIVISSQGPPIEGWAVVYIITHLLKGALFLITIALIGTGMAFVIKHILSDDKKIKMIVIFRRVLANVAYIIIESTEGTTTEYGLWKDGSLFLWLDLCCGAILFVFWVSILQLQRABTGDGKGKFGRAHPLLSL
5470	2726	1437	AAASUSSRSPDPLAQPSAAGNCRPSITRVFVGSRRHPSAARSGLPLREDGCRTGPQPLLPGLGALLRPTTLSSAETRERSREPDTQHPSSGCRGCGTESSSAAGRPSAAMAEABPDSDFTRADACDEENESPATDQLAOALQRMQFNAFMELAPGVSNSLEXRPPCRAARGSLQKTSADTKGKQDQAKEEKAKELEKAWBEEQNGALYAEKIFYRRAAMQLVPDIEFKITYTRSPDDGIVGNSYNTENDDCSKWADLSSYFQQQULPQEESVLLKLQPPELESSOIHISLTYIQRGQSCLGFYRANHQEYVVYRIRFPFDGHVVMMLTPPEPOPSIVPFLTR
6471	1750	299	FFFDKRMAGGGSVGKGKRSKSDADDGFLPLRFTPSVFLPARRERGPGRNKKRGWRRLPLPGLLERVQPFLEDVLRQLERTSGGLLSEPAPEKLLPFDVGSKEKGITKKRKTQVKQSSLLNKLKPRLVLLTNEATSKVPAKDNVLAHOVNPNAKKLREKSQLWEKLAKQGELPREVRRAQARLLNPNSATRAKPGPQDQTVERPFDYLWADNPLDRPQDQDSEFFLEOTKKKQVRPARLTHPKSQDAPAVEVZPAGASYNPDSFEDQJPLLSAAHEVELQRQEAEKDLRQLALPATEQAATQSTPQEQLECGEELSESSDGEGRPGQGEQGPAGDGAQVECPVTFARLATTKETKTFQKREZKAVHLRVRQQAALRNRLRQHQLFLRLKGKQGELLAELARQRQRFQARREAAADKPRRLGRLKYQAPPDIDVQSELSLTDSLNLTKLPEGNILRDFKFSQRNNM1PERRERAKFKRKYKVLVKEKDFRQEIQ
6472	3	897	SCGSQDRQNAMEPFPPDVDAFLPERITVLDQHSLRPARRPGTTTPARVDLQQQIYTIELDELGASAKAQNLSPITSASRMQSNRHHVYVIIKLDSSARPAGKGKIIIGFIKVQGKQFLVLDLREAHNEVEPLCILDPYIHESVQRHGHHGELFQYMLQKVEREPHQALADRPGQKLLKFLNKHYNLTETPVQVNHFVLFEGFFAHCQHRPAPSRLRATHSRAAAVDPTPAAPARKLPPKRBGDKIYKQSSDRDEFLKVAVERPWPWPLNPARRATPAHPPRSSLSLGSNPERGPGLRPFV
6473	22	912	SSAEGFWVEGEKMAAEPMKTEIQTFLKRALPTVHACPDGKAGNPSMASIETYGVGLCIDCSQVHRSLSGLVILDFIRSTEDSNWNPFOIQLCNGONANATAFPQHQCTANDATTYQMSRAQMTREKXKRCQLGSAALARHTGDLNIDNMWSAVPNEPEKNDOSDFTEHTQPPAWDAPATEPSGTQQPAPSTESSGLAQPEHNGPTDLSLQPSKASLLKSSIIQKCKPAAKKGLGAKGKLGQJQVQVSQSFSSEIERQAVQAEKLLBEEQQAADAKKQAEESMVAWSRQLAYQELQDID
6474	3	462	LQRQRQHPAAAPAAPAVPVRCPFTFCPTDIVWPKTRKSPENTEGKDGSKVTKQEPTRRSARLSAKPAPPKPEPKPKRKSARKEPGAKISRGAKGKKEEKQEAEGKEGTAPSENGETKAEEIIHISRSTVNSTSRGTPPSTLSVKGQLETVRVKGTEN
6475	3	462	LQRQRQHPAAAPAAPAVPVRCPFTFCPTDIVWPKTRKSPENTEGKDGSKVTKQEPTRRSARLSAKPAPPKPEPKPKRKSARKEPGAKISRGAKGKKEEKQEAEGKEGTAPSENGETKAEEIIHISRSTVNSTSRGTPPSTLSVKGQLETVRVKGTEN
6476	106	1090	ARAMMQYKGTMWRAAGRAHILLKKEQEONETVLKQRIAEETILKQSDVDRPSAHYDAVEAELKSSTVGLVTLNDMKANGAEVREEREQJLAKRQHILEEQPQLQSRQRQJUNRERKKSICLSPALDDDDQIAAEARRAGNQNLGNPNDWTSFLFDRDREEEENRILKEELRQEWBAGREKVKDDEMEVTFSYWDGSGHRTTVRKGNQFVQFLKGKQGLQRLRDFLEIRSAGVQEJLMPIKEDLPHYHTTYDFIARARGKSGPLPSFDVHDVDRLLSLDATHEDKESHAGKVLRSWYEKNKHFIPASRWEAYADPKEKWDKYTR

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6477	227	915	LGHLMLGIMAAASRPLSLRFNWEKGKJNIVCVCGVGNYADHVREMRSAVL SEPVFLPKPSTAVAPGSPILPMPAYTRNLHHLWELGVVWVGKRCR AVPEAAANDYYGGVACLCLDWTARDVQDECKKKGLPWLAKSFTA SCPVSAFVPKKEKIPDPHKKLKLWLVNGSEQRQGETSTPSFIY IISYVSKITIITLEEEDPIILITSTPTKGVGFVKENDEIAFGIGLVS TFKVEKPRY
6478	2	1495	FVSSKRLPESLASSEASTLEAMGRKEEDDCSSNNKKCCTTNRKIF IIMEVLGSGAFSESVTVKQRQTGKLFALCIIKSPAPFRDSSLLEN EIAVLKKRKHENNTVLTIEDIESTHTYLYVWQVLSGSEFLDRILE RGVTTSKDKASLVIQQVLSAVVKYLHENQI1VHDRLKPENLYLTP EHSKIMITDPGLSKMBQNGIMSTMAGCTPGVPAPEVLAQKPYSKA VDCWSIGVITYIILCGYPFPYETTESKLFEKIKKGQYBTSPPW DDCISEASDIFCHLLELDPNERYTCXEKSPLWDGNTALRUDI YPSVSLSIQKQNFAKSKHNRQAFNAAAAYVHMSKLMNLHSPGVRP EVNEPRPETOSETSRSPSPETITITRAPVPLDHSVALPALTOLFC OHGRRPATPQGRSLNCLVNGSLHIISSSLVFHMIGOSIAAGPCGCC SSCLNLSGSKCKSSVCSBPTTLKKANKKQFNKESEVWVPAKAGSS HCRAGGTJWCLIM
6479	3	949	SCRSQGMWPAQGQAAGMELLSAISLGLAEFLFSEVLPFWFELS YFIVSILVLYKYPEPGAVELGRNRPILASWLCMHCFCOSVYLADLL LGEPDPLDFPNNSGNTLLASAVWVYIIFCPCLDLYFVPLVFKL IIVAMKEVWRVRKIAVGIHHAHYHHHGWFMIATGVWKGSGVA LMNSNFEQQLRGVWKPETEBLLMSFPTKASLYGFTLQQTQTRW LPVSKASLIFIFTLPMWSCKVFLTATHSHSSPFDALEGYICPVL FGSACQGDHHHNDHNGSNSHGGGPQAQRSAMPAFSKSEELSGSKR KKAKKAD
6480	192	514	DFMSIYFPFIHCPDYLRSAAKTEVMMNTQPMEEIGLSPRKKDGLSY QIFPDPDSDFDRCRCKLKDRLPSIVVEPTQEVEGSELNRWPPEFL VQEDDPOONCEKATAKNEO
6481	110	1131	KSEMDLDVNVFVIAQGTATLPIALFVASFLWPSALIRIYYYW WRTPLDMOYRUVHHEDYQFCYFSRGRGPKGPSLMLHGFSAKRD MMLSVVFLKPNLHLVCVDMGPHEGTTRSLSLDLSDIQVQVKRH QFVECLLNPKPFLVGTSTSMSGQVAGVYNYTTSDFDSVSLVLP AGLQYSTNDVORLKELOQSAAVEKPLIPSTDEMSMELQMC SVYRKVPPQOOLIDVDRV1PHNPFYRKLFPLTSVSKRSYLSHQ MDMKLKVPTOJINWQDODULV3GQADMALKS1IANGCVELLENG HSVVMERPRRKTAKLIDIPFLASVHNNTNNKLD
6482	2517	568	EPVSKRSQSRRRAQVPTAMAEQSAVEAJAHANVWPWAEVCEKFOA AALASRVELHKKRPEKEFYKSKYSAARLLEVKAALLPAGPAPEDDE RPPAEDGPGAGDMHALGLPABVEPEGPVQARAVRQVIEPHLG NHDITDELSAGEHEUWVCKLRLRRLRYRLSHDSDLIC1QAZQNNLGI LNSEREEIETAQAYLESSEALYIQQYMKVEGSPPLDPTERPLFEE EKLTQSERSKRKFVKVYTHNLYLIAQVYQHGLEMPFEKAAYHCHSTL KROLEHHNAYHTEWAINAATLSQLFYINKLCPMEARHCLSAANVI PGOTSKISATEDTPEARQGEVPRVLYHQPKRGELARCIWVYKCYCLTMQ NAQLSMQUNIGKJMLDQSELRLRKKEHLDREESIRAIKAVQZGET GRLCDAISAAVEEKVSYLRLDFEEA2ELPFLLGHQHVPEAKFFQ IDGVYTDHIEVVQJQHAFQYQVYLLNRPQYQFRIAHAYAYLMDMLKLVATADRLRDPD PLTVDLNPQYVLLNRPQYQFRIAHAYAYLMDMLKLVATADRLRDPD SHIUKKINNLNKSALEYAQLYLDSLDRDNKVFBBHIGEDVLRPA MLAKFVVARLYKQIITADPKKELEBNLAISLSEHFTIVDYMCKH EAAQEIEVLELESKEVNSSLPLTKMEPRKTMALT
6483	3	623	NSHLICGELRARAPLSSANGGEARAMEQRLAEFRAKRRAGLQAJQ PAASQGQATPGEKKAEEAATLKAAPGWLKRFLWVKWPRAASQARQ GLVQBRAMQPGGSTSETWPNTAIPLPSCWDDQSFLTNITFLVLLW LVLLGLFLVELEFLGJYFVLSLFYWMYVGTRGPEEKGEKEYSAYS

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6484	201	965	VLNPFGCEATQQTITARQLERELQLRPLACR QIAVAKTKNSCOLRGTQD/PFIELFKAGKSGDGEISGNCPFCUCLF MILWLGKVFKNVTIVDMTRKPEELKDAPGTPNPPFLVNVKELKT DFIKIBEPFLEQTLAPRYPHFLSPKYKESDFVGNCFAPKSAYIK MFQKEANKNFNLKSLKFPLKRLDDYLNTPLLDEIDPSAEPPVPS EFLDGDQLTLAQSLLPKLKNLKVAAVAKRQDDEEFPAEFSGVW FYLHNAYAARAFTHICPDEKEYENTYANVAQKS
6485	6	1091	FVDLFLRAVEPFLCPFSKQLEKRCQSSBESMSGSNSNRSLSLIEEDEE DREPPVPLVLYHEPRSFEWGMVLWVHHXKVPWPAVVKSPQRDKR KASVLYVHGHHNMNKKGFTVSLSKLKHCFCKEKQTLRQAEREOP MQDINGNCVSLTIDTYVVRGGCSFAGSTLVYVAADISYVPRKSIQ ODVLTGKLPQLSKGSPEEPVVGQCPQPCRKLQJDPDRSAARD PAQOKLVEYIGKAKGAESHLRAILKSRKPSWSMLQTFLSSQQVYT CVTETYLED8QQLDLVVTIQLQGVYEVGAVALVORINGDRIRFILD VLLPSEAIACAISAGEEVDTYKTAEEKTIQPSLSSYREKEIFDNLQ LEERNRKR
6486	10	581	DVLQAGGAHISPSRVTQGIGYMLAFSEMPPKPDYSEELSDSLTLA GGTGFRSPQPLHRANWRNNMFQRMGWIGVGLVLLASAAYVFE ISETTNRRALEHIQCRPEEPBLEGTWTNHSLAQALKPLFVWTVT IPLVPLQMLPFLYSCTRADPKTVGYCIIPTI CLAVICNRHQAFV FASNOQLRQLD
6487	352	863	SFLKPLLRQKNSVTLHDVGDIKIYEVFCERTPKTCENFLACASN YNGQICIPHRNIKGFMVNTQDPTGGRGGNSINWKGKPEDEYSEV KHNVRGVVVSNNANGNTNGSQFITYGKQCPHQPLKMDYKTVFGKVID GLFTLDEELKPKTQYRPLNDWVHEDTITHANPFAO
6488	878	241	TALQEGFTSOPPLSLRSLALDGTCTRPFPLQPGFBPQPSPPSPRPV MEPPLNHYFVELVYDYLSEKQRLRRLSIPMLGQLEGIWHITSVUH KDEFFFGSGGQIASSCP PGTTLGPDDSVNDVTSSTEVEVLLFLEV SSLGESLFRQEAYNLFHHNCNTESNEVAQPLTIGKKLPSY-TDLP SEVLSTPPFGQALRPLLDSTIQIOPPGGSVVRGPWNGOS
6489	1457	375	KVAKAKTALSBEELDNDVYELLNVRREASSEELKAAYRRLCML YHPDKHDPBLQSKAERLNLNQAYEVLPDLSQPTRAYDIYDYGKR GLENEGMEVVERRRPAEIRREFERLQREERERLQKQRTNPKGT ISVGVDATDLFDRTYDEEYEDVSGSSPQIETENKMHQSSEIAPL TATDTAIALSGLSLSTQNGGGSINPALFRVIAKSAKWGEFLFOAG DQGFLGFLKLRLNTRPCEVITNCALOFSRQCGRLTITVLLAR NLDENTVGYLQWHCSSPLLQVQRPHHNTZACAPEPSFRPFLHP TWIAUCSGARTPTSAWTSAAVKLREACLSFGGSGHSQHQLLTLTR SKRTOOG
6490	3	1183	HEAGCBVNLGYGPRRAAAAATVLFQGRGPGTETPVARSTAADH KDLIHDSVDFHGRMRMTCSGDSVWKDSESSGWDHCTASWKT HGSWVWRTWVTAIPFQVULASCSPDRTAWEVVEIGESNDXLRG QSHWVKRTTLUDSRTSVDVFKAPKHMGLMLATCSDAGIVRYIE APDVMMNLSCQSLQHEISCKLSCSCISWNPSSRAHSMPMIAVGSD DSSPNNAKAVQIIFYENNTREKYYAKAETLMVTIDPVHIDIAFPNL GRSFHIIIAIATKDVRIPITLKPKVRELTSGGPTKEIIHVQAFD NNHSQWVRSWNNITGTVLASSODGCVRLKANYMDNWKCNQIL KGNKGSPWGGSGQSPGTLNPSLGSNIPSLQNSLNGSSAAGRHS
6491	3	1183	HEAGCBVNLGYGPRRAAAAATVLFQGRGPGTETPVARSTAADH KDLIHDSVDFHGRMRMTCSGDSVWKDSESSGWDHCTASWKT HGSWVWRTWVTAIPFQVULASCSPDRTAWEVVEIGESNDXLRG QSHWVKRTTLUDSRTSVDVFKAPKHMGLMLATCSDAGIVRYIE APDVMMNLSCQSLQHEISCKLSCSCISWNPSSRAHSMPMIAVGSD DSSPNNAKAVQIIFYENNTREKYYAKAETLMVTIDPVHIDIAFPNL GRSFHIIIAIATKDVRIPITLKPKVRELTSGGPTKEIIHVQAFD NNHSQWVRSWNNITGTVLASSODGCVRLKANYMDNWKCNQIL

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5492	34	2573	KENGS PVNGSSQQTSENPSLCSNIFSLQNSLNQSAGRKHS
			IPFLKSCSQQCCCLIFDFPPPLDQVQESECEVERTVEFPPFKRFDSDVAFQGSESEDQFENDLETDPDNMQQWLSREVELLCKLCPCEIKRQEVINELFYTERAVRTKLKVLDQVFVYQRSEREGLSPSELRKIFSNDLILQLHIGLNLQMKAVERKRNTSTVSDIGEDLTLWNSFGPEEKLHAAATFCNSQPFPALEMIKSRCOKHDSRFOTVDAESENPLCRLRLQLKDDIIPTQWORLTKYPLLENIATAYTEWPITFRKVKKAADHCRCIINLYNNQAVKEAEKNQKRLIDYQRLLDSSLKLSYEFPNVEELNLULITKKRMHJHEGLPVWKVNKTDTDLTYLEDLVLWLQKQDRRLVLRCHKCLLAASTADSKHTSPVFLSTLVQRAVQATDNKALFVIMSMDNQACIYELVAQTVTSKTKWTQDLCICMAASVKQDSTKPIPLQGSTPGECDNDDEEDPSKLKEBQGKISIVTGQSLQSDPDRDGLLESTDLSKPNHSLSTSGKSEVRDLFVAERPAKESDGTGKLVGVEDYQIAIPDSHLVPSEERWALDALRNLLKGKILVQQLQLTRSKQEDWCHFPRYRXTASCPOTDSVINGSENKAYHSGEGHNPMPATGTYGQIATCYSPRTSTESAPRDVSGLAPQDSQASNLVMDHMMIMTPEMPTMRDPECGLDSGEHFHDAREAHSDEN:SEGDGAVNKHEKDVLRLISGNYLILDGYDPVQESSTDEEVASSLTLQPMNTGIP?AVESTHQQQHSPQTNTSGDAGISFTTFPLVQQRNGAMEY3CPEIQSFSACDQSQQMISTYHKKIBADELHLKVEESYTLLCQRLAGSATLTDXHSDKS
6493	557	1147	TPARMAYQGSSTSCHSKTLDSASAFAASAVSVAPVPSRSEVAKECNGTINNINGVQVPSQTSKTLYSTTNNAASSPGISAQVLUVRTVGHTTINHLLIPALCTTSQPTLPMNNSCLTAHVHLNMNSVPSVSPVHINTRTSAPSPTALKLATVAAASMDRVPKVTPPSAISIARENNEPERFLGNCIABT'VAMETV
6494	2425	1052	AVAGGARPCSTPSPIERCRRHRHPPPLERPPAAMIASAVVLDLNGKJULICRNTRGDVDMSVEEHFMPILMEKEEGMLSPILAHGGVRFMWHKHNLYLVATSKTNAACVSLVFSFLVKVQVPSSEYFKELDEEEIRDFTVIIYELLDLMDFGYPCTTD5K1LQOYI TOB@GHKL ETGAGPRPATVTVANWSWRSBGIXYRKNEVFLDVQIWSLVSANGNVIRSRIVGSIKMRVFLSGMPRLGLNDKVLFPLNTGRGKSKS VELEDVKFHQCVRLSREFENDRTISFIPDCEFEMLSYRLNTHVKPLWISVIEKHSHSRIYMIKAKSQFKRSTANNVIEIHPVNUADSPPKFTTVGSVWVPENSEIYKRNKEVFLDVIBSVWLLVSANDADSPKFTTVGSVWVPENSEIYKRNKEVFLDVIBSVWLLVSANPSEVAEDKEGKPPISVKEPIVYFTTSGIQUVRLK1IEKSGYQALPWVRYITQGKDYQLRQ
6495	2425	1052	AVAGGARPCSTPSPIERCRRHRHPPPLERPPAAMIASAVVLDLNGKJULICRNTRGDVDMSVEEHFMPILMEKEEGMLSPILAHGGVRFMWHKHNLYLVATSKTNAACVSLVFSFLVKVQVPSSEYFKELDEEEIRDFTVIIYELLDLMDFGYPCTTD5K1LQOYI TOB@GHKL ETGAGPRPATVTVANWSWRSBGIXYRKNEVFLDVQIWSLVSANGNVIRSRIVGSIKMRVFLSGMPRLGLNDKVLFPLNTGRGKSKS VELEDVKFHQCVRLSREFENDRTISFIPDCEFEMLSYRLNTHVKPLWISVIEKHSHSRIYMIKAKSQFKRSTANNVIEIHPVNUADSPKFTTVGSVWVPENSEIYKRNKEVFLDVIBSVWLLVSANDADSPKFTTVGSVWVPENSEIYKRNKEVFLDVIBSVWLLVSANPSEVAEDKEGKPPISVKEPIVYFTTSGIQUVRLK1IEKSGYQALPWVRYITQGKDYQLRQ
6496	247	559	LRAAVSLLPLQJVLFBSYTSIHSLSFCINFLCAQEWLTIQLNVPPLFVHWNYFHCPADSSLELADYDPPVVMNADTLLSYQKCEANCKLAFAYLLSFYFLYLCMIVTLLVSS
6497	1053	352	ANTO1CRLCPERRHLHPPGQAGKNGNTTQEDDVNVFVKVLLGSGVGTMLLSSRTRNRFNSHSDRTTIGVEFSTRTVWLC7RAVKAQINDTAGLERYRATITSAYRGAVGALLFVDTLKQTYAVVERWLEKLYDHAEATIVMMVQGNKSDLSQAREVPTEARMPANRNGLFLFETSLALUSINVBLAFETVLLKEIFAKVSKQRQNSITRNA7LGSQACQO

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			PGFGGKPKACCISL
6498	2636	272	SLRFLCFCWGTTHLAGPTIMRLSSLLRPLLGLSLGCGSLSLDRWSNIQCEGEGDPVCVEAGERUGQPNFDSRARLDQSDEDKFPKRVPIYYRDNPNKPVYKKVLRTRVYI7ELGSRRERLAVVATSRATLSTLAVANRVTVAHHFPRLRFLYPTQQRGARAPAGMCPVSHODERPAWLMSBTLRHLHITHGADYDWFIMQDDTYVQPCNPLAIIAHLGHLINQDLYLGRAREEPFIGAGECAHYCH3GPGYLLSRSLLLRLRPHLDCRGCDILSARPDEMGRCLIDLSLGVGVSCHOCQQYRSFELAKNRDRFKQSSAFLSAFPAHPVBSGTLMYRLHFRSALELERASYSIQLQGAIQRNLVLTPEGEAGLSPWVPGLPAFTPUSRFVFLWQDFPTEQHVFSCADGAPKCPQGASRADVGDALETALEQCLQNLNRYPOLPFLFQKGRILLNYRFPDARGMEYTLDLIILECTVRGHRALARVVLRLPRLSRLVEILPMPVYTERATBQULVLPVLVAAZAAABEFLRFAAANVLEPREHALLTLLVVYGPREGGEGRGAAPDFLGVKAAGAAELEERYYFGRTRLAALVRAAASASVRLMDVPUVKKHEDVTLFLFTTVTRPGPVELNRCCMAAISGMCAPPVHFQEFNPNALSPQRSPGPQPGAGFDPPSPNGADPSRCAPIGGRDRCASABGCFPRNADTILAARARLAAGKLQGSEEBALEGLEVNDTFLRFSGLHJFRAVFRGLVQKPLSLRDKSPRLSEYLVHRCRSLNRLGLGGRAQALMVRQGCQANST
6499	3	2040	SCSADTRPSQCANPFTVGLKAAAAGFRTGSPLALGPFETPVACLLGHPVRLRVSQGGPQAMPDPAAHLPFFYGSISRAEAREHRLKAGMADSLFLRQCLLRSLOGGVLSLVHEDVRPHIFIEQNGTNTYIAQGKARCGPAELCEFSRDPDGLPNCNLRKNNPNSGPGPQPGVFCDLRADMVDRYVROTWKLEGBALEQAISQACPCEVKLJATTAHERPMWYHSLSLTREERAERKLYSGACTQDGKELLPRKBRKQYIYALSLIYGKTVYHSLISQDKAGKGYCIPBGTKDYLQJLWVYLKLADGLIYC LKRACPNSASASAGAAAPATLPAHPSLTBLTHQRLDTLNSDGTPEPARITSPKPRPMPTSVYSEPYSDDEEPLDKEKLFLKRDNLIADIIELOCQCGGSVRGCVYMRMKQJIDVAIKVLKQGTTADEEMMREAQJTMQLDNPVYIYRLLIGVQCAEALMLVNEAGGGPLHFKF LVGKREBILPVSNVAULLHOUVSMGNQYKLEARNFVHRLAARNVLLVNHYAXISLDFOLSKLAGADSYTTARSGAKNPFLKWNAYAPCICNFREPFSSRSDVNSYGVITMWEALSYSQGKPYKMKGPGVMAFIEQGKRMCCPPCECPPELYALMSDCHIYKWEDRDPDPLTVEQRMNSGACYSSLA SKVHEPPGTSQKAAEACA
6500	1773	726	TGTTTAAADINWQVLSPTVNCANVTRONPCTAAALSCPQJVIDAGEMLSESSSPFLKGMLGSI#CALITMGLGHIRIGHONRMHHEHHHHLQAPNKEEDLJISDEDRMLSKSPRVPCV1INMDTINMWMLMRERKAYAPDKYRDQYNNPFIARAPITTEIENLKYFLLKPLDQSPPFYLGHTKSGDLEYVGMEDGGIVLSVESMKRILNSL1IPECKPQCGQMWHKISEDKQIAVCLLYAGVFAAENADAGKCVFTKSVGLS1KEAMTYHNPQVVRCCCSOMAVTFNGLTPNMHVMVMMGVYLRARFGYFQ
6501	1	570	LVGMSGGTIEPTVGCCEAFCGGGSKGRDSLQTAGSAH_ITTDLGEIHSRLLDHRPVIQGETTRYVKEFEEKROLERMRVLENLKNMHEINSHTLPLCRDTRMDLSLSQLQJQANDSVRLCQREORRKIHSQHHLVASEKQHMLQWDNFMKERRQNKRAEVDREHRIKAMERLHQYARMMKUDAKPFR
6502	213	1650	AKNKFIDWAGHRNRTAVLPDVSPVPHREDGWNNRSLWQOSYCAVKEKSSEALEPMPERDILTEPTQVWQHDTACTIASATVSYKSEELATEEGSSGATKEMKXKQLSDFLGLVISDVTVAASPDTKIDCDVTLWMTGFBGEGTAEYDGTQKARLYSLQSDPATCNPQGDPLDPAWLSQFCLKERKGRISIELVQGSPSIRALYTQKVMVAAVSHSFENHRYFYKVHQLEQEBOARNDALQKRAEGSTSSEBPGWEREEBERINGISIPLSPKAVKVPAKISTPFEGBGPQGSPCERNLVIISVEPPPARVTPRSSSEISLSVTCIANPATAPEARVLPLDLSQKLLEASLRLQGLADVGETGPSP

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			IHSKFDTPAAGTQGEPRPPARAVETLREAPTDLRLRFEELNSDG KSTPSNNCKKGSSDIDSEWKEFDLLEMTEEEVWKGKVDASG EVSGPGSEGSEPEPGCCESSPQPAOLSPQZGPSCSLR
6503	213	1650	AGNKKPDPWAGRNRTAFLJDVSVFHRREVWWSRLQGSYQAVIE KSSSAEFLMKRDLTPEPTQVQHDTACTIATIAASVSKELKATES SGATEKMKIGKDLFPLGVISDTPAFPSDIDCIVITMGTPTST AEPYDGTCTRLYSLSPDAPTYCNEDGDPPELFDAWLSQFCLEEK KGEISELLVGSPSIARLTYLTIKVMVAAVSHSHEWHRYTFXVHLLQ EQARDAKALQKRBABOSIIEEPGWEEEELNGISPISPKAEVKW AKISTFPGEPEGPQSPCEENLNTVSVPRAPEVTSSESSESISLVT QIANPATAPEARVLKDLSQSKLRLASLZEPQGLADVWGEITCGSPB IHSKLTTPAAGHTGPEPRPPARAVETLREAPTDLRLRFEELNSDG KSTPSNNCKKGSSDIDSEWKEVDLDMTEEEBVQKLSKVTDAG EVSGPGSEGSEPEPGCCESSPQPAOLSPQZGPSCSLR
6504	2131	1294	GK/CLVAHNWCLSILSPPFA3KMTPTNAQEAQFGQTTRAAGRATG SANWTKKKVSVQSKQRGRPSQPCRNLYVGCKLHSHGKEDDEPITQ WEGTVIDLOVFINPSIYLVKYDINGDCVYGLHLRDERVLSLKLIS DRVASSHISDANLANTIIIGKAVEEMFGEHGSKDEWRMVMLQAQ FINKAWMFTITYEKDPLVLYMQLLDYKEGSDRINPESSESPTE REFGGVVDGLIGKHMVEYTEDGSKRIGMVTHQVEAKPSVYFIKF DDDPHVVYDVLVKKS
6505	2131	1294	GKVKLVNWCLSILSPPFA3KMTPTNAQEAQFGQTTRAAGRATG SANWTKKKVSVQSKQRGRPSQPCRNLYVGCKLHSHGKEDDEPITQ WEGTVIDLOVFINPSIYLVKYDINGDCVYGLHLRDERVLSLKLIS DRVASSHISDANLANTIIIGKAVEEMFGEHGSKDEWRMVMLQAQ FINKAWMFTITYEKDPLVLYMQLLDYKEGSDRINPESSESPTE REFGGVVDGLIGKHMVEYTEDGSKRIGMVTHQVEAKPSVYFIKF DDDPHVVYDVLVKKS
6506	1	1350	EVSTFTSCCLTVAVADGPGVSEFGPGAGCAMPGRGRCPDCGCGST ELIVEDSHYQSOSLVCSDCCGVVTEGVLTFTTSDEGNLRREVYSR STGENBVRQSRSQRGLERVRDLCRVLQLPPTFEDTAVAYQQAY RHSGRAIRALQKKEVLLVGCCLVLTCRQHNPMLTNGAICLTYAD LDVFSTTMQJIVKLJGLDPECLLAELVKTYCFSKLCFOASPSV PAKYVEDKEKMLSLRMTMVLVLANETLVLTGRHFPLVTTARTPLA WQSLQPADRLCSCLSRFCFLANVDELYPASSEVQELALLVLEMLA EOLNLVVLRLDKNSVTHYODLLJQRUSLVSIRSAPFTGTAEYET REKEPPGNGGGGGGEGVGNNSLGLPQGRKASPAALLPPCMKLK PRKICPVPVSTVGTENDISSEIIEQYLRTP2QEVRDPLQRAQAR QAATSVNPFP
6507	1878	929	RSHASRPELPSPGCLV/LQVQELVOMSGMEATVTHQNKPGHGA ARSVVURRIGTNLPLPKPCARASPTFLNISDLCLRDVPPVPTLAD IANINADEEETYAVRSDUTRPLRHTWKPSPLIVMGRNASVPNLR GSSERLLALAKLPALPALSRSTTELQDELSHLRQIAK;VAADAS ASLTPDFLSPGSSNVSSPLPCFGSSFHSTTSFVISDITTEETSV VEPLPSVPILLCSASPCCKPEHKKAQSSSEEDCVSLSKASSFA DMGIGLKDPHMRMKQSQDLNRSLLKEEDPVLRLRKPFALKE EDISKGN
6508	862	342	WEARKEQRWPSERERVRVPPPHLQRGRSPLSIEPFLKMAAARP SLGRVLPGLGSVSLFLCMQKQKRHNIAYFQIVSVAARMLQNTL DILORGLQHVUVVDACSRROSVDRLVALAMRQSGAFLTSEGI ILQLOLGDAVHVQPKFEIQKLKEPAPDSCLLQFQGQNSLH
6509	2	1053	FVNUPRGGRKRRRQAAVTAQATRASGTFSPVFDGIMTQGKLSVAN KAPGJTBGQVHKGKEAPAVPSAPPSEATSGBEGKAGAGPP APTAVPLHPSNAYWDPSSSSYDNGFPFTGHELFITPSUDQKRV RRVFVRKWTYLLTQLLVTIAVVALFTFCDPVKVDQVQANPGYWN ASYAVFFATYLTILACCSGPZRHHFPWNLILLTFLMSKAYLTGM

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			SSYNNNTSVLLCLGTTALVCLSVIVFSFQXKFDFTSCQGVLFVL LMLTFFSGLILALLPFQYVPPNHLAVTAAGGVFLFLPLDLDTQ LMMGNRRLSPEEYIYGAAINYLDIYIYFTFLQLQFGTNRK
6510	37	1156	FCALDDGCFQRGAHVHLLSSAMGLLAFLKQFVSLVLLNGFVWVVS GCVNFVQLCTLALMWPVKQLYRRNCRALWSLWMLLVEEN SCTSCILFTDQATVERGKHEAVIILNNHEFIDLGCGTMCEER GVLGSSKVVLAKKELVVPLLGWTWYFLLEVFKRKWEEDRTVV EGLRLRLSLDYPEYNNVLLCGRGTRFTETKERVMSVEAAAKGLPVW KHYHLLPRYKQFTTAVKCILRCVTAAYDVTLNFRSNINFSLLGLL YKGKYYEADMVCVRPFLDIPDEKEAAQNLHKLXQSKDALQEYI NQPGMFGPEOFPKAPRPWTLLNIFLSWATILLSPLFSGVGFVAS GSPLLLTFLGVGAGNHCR
6511	2541	1425	GEGQFLAAAFTECLQEVIGGAGADPGTVASFFPSPLPGEAPALEGGK TMATNFSDIVKQGYVKKRSLKLGLYIIRRCHWNPFRKSSSMGPKRLE KVDPTFBSVCLRGCPKVTESINVKCVTRLEKTKRQVAIPTTD SARTPTCDSLBEEBNVYXILSVECLGSRNLDISLGFLDAPGV OCBQDTRENVFLLPCPNLDVYGECKLQITHENYLMDHNPVTK LVSNPLCSLRRLYGRDACTRPTPEAGRMCDIAGGLYTFQVQBGQEI YQRVHSATLAIABQHKRVLLEMENKVRLLNGTSHYGVTPFTT MLPRAgYWHHITGSONJARASYYAGEGYYAQASQSETDLNRFI LLPKPKSQGDSSEAKTPTT
6512	159	607	FGKSTFWPLRSLSRVLAVSGRSCKLGHGGTYGSGPFGFEPDRSGA SVFSGSGRATGTCRGRVGRGARGRGAPGSVIRKEPVMCTRTK TLVSTCIVLSTMNIIICLLYVGWTVYIAYSVYVRGQEFAPDKKL BEDKGDTIKLIZIERLHLENVIKQHQIAPKAPEAEADPTTDS LFAHNGQELSPEGRKVALQFCYGGYNYVLSDRPLDLP
6513	2	756	FVSPERFGSLAQIQLIQLDTKOLVHSFAGGDSAYANRITA LFFDPLAQNGLASLRLRQEVRADEBGSFTCFVSIRDGSAVASL AAFYSKPSMTLREPNDLRFQGVITTCSSYVGVYAFPEAEVQ GVEVLGHTTISOMANEQGFLDFVHSILRVLVNGANGTYSCLRVNPV LQDQAHSSVITITPQSPITGAVERVQVFEDPQVVALVGTDTATLRC SFSPPECQFSLAQIQLIWLQITDTKOLVHSFAEGDGSAYANRATL FDLJLAQNASLRLRQEVRADEBGSFTCFVSIRDGSAVASL PISYKSMITLEPHKDLRPGDTVTITCSYVGVYAEVSVWQDGQGV PLTQHNVITTSOMANEQGFLDFVHSILRVLVNGANGTYSCLRVNPV QDHNHSVTTITPQSPITGAVERVQVFEDPQVVALVGTDTATLRC SFSPPECQFSLAQIQLIWLQITDTKOLVHSFAGGDSAYANRITA EPOFSLAQIQLIWLQITDTKOLVHSFAGGDSAYANRITA
6514	985	302	VGJFGPTTISAAEEMDLLLLDEELRLYSTSRAKMRNTRRAQQESA QAENHLNGKNSSLTILTGHSTSAAKLPCKRCRQQGGWAGDSVRAKSFKPR KASERIEDFLRPLQPSLNGSDYGGDIPPIPLDLEVYFQDQFVLOVA APPSIQIKRVMWYIROLNDLMKYSQIQLTLDGEIDLKLTLKVLP EHBEVRERKRPSPWQDDVGWDNDRHLLTEVS3VLTWEDPLQTEKEPD AGQARYH
6515	1345	305	GGSGRRGAAAGPGCGGAGSTQLEVSASASACGALSADAMNPVIV VHGCGGAGPISKDRKERRQRHGMVVAATVGYGLRECGGSAVAEVG AVVALEDDPPEFNAGCQSVLNNTNGEVEMDASIMDGKDLGSAGAVSA VQCJIANPIKLRALVMERTPFCPLTDQGAQPAAMVGPEIPEGK LTVERKRLRMLKREKIEKQAGQKTDQCNLGTGV3AVALDCKVNAY ATSTGJIVNMVNGRVEDGSPCLGLGGAGYALNDIAGAVTGTGHE851 KVNJLARLTFLHIREOGKTYVEREADLSSLGVMRSKRVGLGLIVVVS TGDWVAKWTSITSMUWAAKIKLHLPGIDPDTTITDPL
6516	-	1402	FEELYLQGQDAAARDLRTRGLOGYCPSATAPKVLBSALQQL KGRSRSHRNWQEMPSTKELLIGIINVGTAGISLILLNHWKVR KPGIAMLPLPEFLSLGNTPNSTLQDEIHDQDGTIVFQGRQKQI LEXKINLETTMELKEEIRFLKGAIPLKLEYIQCELGKKTIVHK ISQPHNARKRRLPTIQSSATNSNSREAESGGYITANTDTEBQS

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6517	3	1414	FP/KAFNTNTRVEELNDVLLQLKVNHLNMSESSGKESFELLRDKSKFRDEIEFMWNRAYGDWELSTNTQKTKHAYNGIKTLRSERAINRAPWNHGCHILYVAALGVYWSSEFSGLQNWKYHGLFHKLHDIAIKLPPPEPFMLYLKGRYCYTTSKSLSWIKNMATTLGKIPSPSTVQEAJAHNPLKARELCPGYSNPWNPYMLAKCTTDEENQNALPKFCNLALLPLPTKEAOKREQKMTLSKPGVWGSSSLNAMWVTRGAHAEDYERKWCRCQARGWDYANLCPYFRKAQOHELGASRYGADGPLVLSRQGTNHWLPHACPLATQCAQYPLTEADMGFQPGGGWMUHTIHHGKRNNSAACATYIHLPSRTNLKXEAETLVSRL-FEGOTRAV38VVEYYVKNQSHAYRASEKVLLSGAAISQPLIMLSIGNAADDLKLKLIPIVPVCHLPGWGNQDHLLEIYIQQACTRPITLHSQAQPLKVCIGLENLWLFKTEGATLAHSTGQFIRSDQGVPHDPIQHFPLPSQVVIDGEVPTQOAEYQHVHGMWRTSGVWNLKLSANPQDPV1QPNYLSTBUDIEDFLCVCXLTRIFAGEALAPFRGEKELQPGSHIQSDELAIDFVRAKADSAYHPSCTCKMQQDSPPTAVWVPOTRVIGV2HNLRRVVDASINPSMWSNQNNAPTIMAEEAAIDIKGOPALMDKDVVYKPTLATZQ
6518	242	1098	PAWNNGCSEPLTRVRPRARSPFLPPPRAPRERRHLLRAVPGPSRPHRCRARRAPPSTGNGCNSHESKACPLPFRCPGCPWGSSKTMMCSKCKCFADPQKKQPDDEGAPSTHSQSBDLTSFSETTSDDNNNTSTTPLPSQPLQPLTENVTSPLSLEECGPCTDCAVHSRQPTKRCGDSQSENESAESPVKRPLLENTERSEETRSRQKSKSRKRCQCOTKLELVQSQELGSCRCYQVFCMULRLPEQHDTFTDGMQRGRREAIMKMVKLDRKVGRSQRQIGEGC
6519	3	1113	ERKRMMEPPSPVHCVAAAAPTATVSEKEPFGKLQLSSRDPGGSLSAKKVRTTEKKAPKDRVNGEAGGSGCGNSRQLQPLPAAQSPQSYGSPASNSFAPLSSAASPSSRSSFSFSQATAVPSASASLSSQDGPQRKLLVPPPTLLHAQPHNHLLPAAAASANAKSRPKSKREKEFRRRGLLGGAREAGGGTREENGEEVKPLPRDXIKDKIKERDKERBKXXKVKMVEIKKENGEVKILLSEKKEPKTNIEDQIJKVKKKKKKKKHENEKEKRDKMYSKSQTQTCISGLLTIVEDAAQKLDNNDJIDVVGKNDLTKNYDSKIPENSPFFPVSLKEPRVQNNLRLDLTLEFKQLIHIEHQPGNGGASVIIHCQ
6520	3	1113	ERKRMMEPPSPVHCVAAAAPTATVSEKEPFGKLQLSSRDPGGSLSAKKVRTTEKKAPKDRVNGEAGGSGCGNSRQLQPLPAAQSPQSYGSPASNSFAPLSSAASPSSRSSFSFSQATAVPSASASLSSQDGPQRKLLVPPPTLLHAQPHNHLLPAAAASANAKSRPKSKREKEFRRRGLLGGAREAGGGTREENGEEVKPLPRDXIKDKIKERDKERBKXXKVKMVEIKKENGEVKILLSEKKEPKTNIEDQIJKVKKKKKKKKHENEKEKRDKMYSKSQTQTCISGLLTIVEDAAQKLDNNDJIDVVGKNDLTKNYDSKIPENSPFFPVSLKEPRVQNNLRLDLTLEFKQLIHIEHQPGNGGASVIIHCQ
6521	184	1798	KLFKMGATDTTSQGDELVHPKALPLIVGQJLIAHDLKGEKVEDSTM ² IRETVNSRETPPKSKLALGFEKEPEPDISSEKSSTV'EVEQNEETPPATSEADEOPKGEPNEKEKKSFKETKTDKEDOSKEKSKKVKXTTPSWATLSSAQJLARAOQKQTPMASSPPRKPCALITAEIACPKQSGASVWTRKYIIHKYPSLELERGYLHQALKERLNRCVQIKQVKGKQGASGSVWQKSKRTPQKGRNKEQKQDPEPPVZLDEULPLATRFLCEPEEASYSLIRKVVSYQTYPKLRVDIRPOLLKNAIQRAYERGQLSQTIGKGSAGTFQQLKSGKEPLLGSSMSYIALSAAJAMNEPKTCSTSALKVYLNHPTINSHYQMHLLKKEKORCEKNGNWEQISQKGFSG?"FQLCYPVYPSPGVLFKKPDEPDGRDEDEDEDDESEKEDSDEEPPPKRRLQKKTTPAKSGPKAASVQGRGSKPKAPVKVSAQORGKARPLPKKAPPKAKTPAKKTRPSSTVIIKQSGSSSKPKATPSARKE
6522	1042	391	NKWLRLSPSFRSRHTPESGRVLSLFRLLPPGNGALSGSTPAPCWEED

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6523	2	1097	FCFLYYVGMLSLHMRFFVVGGQLECELELLAFLIDEAPEGARGGGLSRARSGLKLLELERRGQCDESNLRLIGQLLVRALRHDLLPHLA RKRRRPPVSPERPVSYGTGSSSSKRTEGSCCRROSSSSANNSQQSPPTKQRQRSSRGPSCGKARRRRRGPQDOPHPSSQSQQPLPLMLPKASCOTFRRTAALSDSGERLIGRHSPIALAWASNFNDIVKQGYVKI
6524	2	1097	RSLRKLGYFPRCWLVJWVTKASSKGKGRRLKEFKPFDKKNYAFYRFLFHKT ELHNINRNTTRLPETKTHAVAIIFHDTSXTKFCBSSZLAEAWC KHLICMCLGTRNLDISLGEPDLAAAGVQRQNERVNPYLMPPTN LDIYGECTMOTIQTENIYLMWIDHNAVKLVNWPLSSLRLRYGRDST WFTFEGRMCITGEGLFTFOTREGPMYIQKVHSATLAIABQHER LMLBMMQKARLTQSLTEPMTLSKSISLPSRSAYWHHITRQNSVGE TYSLQGNHENHSDLTGKSCCKTSNRFLENAFLPVYGMITHHLF MDTSTCKVHVDE
6525	1	1859	ASCOTFRTAALSDSGERLIGRHSPIALAWASNFNDIVKQGYVKI RSRKLGYFPRCWLVJWVTKASSKGKGRRLKEFKPFDKKNYAFYRFLFHKT ELHNINRNTTRLPETKTHAVAIIFHDTSXTKFCBSSZLAEAWC KHLICMCLGTRNLDISLGEPDLAAAGVQRQNERVNPYLMPPTN LDIYGECTMOTIQTENIYLMWIDHNAVKLVNWPLSSLRLRYGRDST WFTFEGRMCITGEGLFTFOTREGPMYIQKVHSATLAIABQHER LMLBMMQKARLTQSLTEPMTLSKSISLPSRSAYWHHITRQNSVGE TYSLQGNHENHSDLTGKSCCKTSNRFLENAFLPVYGMITHHLF MDTSTCKVHVDE
6526	2	2034	GSEPFSEEESEIEPNSSSSGRSARTVSSNSFCSDTWDNPSSQSVS PVKTPSDAGNSPIGFCPGSDEGPFTRKXCTIGMWGEUSIQQSSRYK KESKSGSLVKPGSEAOFSSSSSTGSISAPAVEHNTASTGKRSSSR NRGPGRHRSNQASHKPGSPSPSPREKDLSMLCRLNQSPVNIIHP SYAPSSPSSNSGSSYKGSDCSPIMRSSRGYMSCGENHGVPRPNP EQYLTPLQKEVTFVRLKTLKESERLHLERSEEVILQLSOLAR MEDWLEBCHCRVEQLALKEARKEITQKLVQIVTIRSSLDKD KGIQKYFVDINIQNKLESLLSQSMBAHKGSLURDELCLDFPCDS PEKSLTNPPLCTTMADGLSLEEOTVGGGRDRELLGCSIANSTD LFDEIVATTTTSSGGLLVSTPTGANVLRLPLIVM/QEEGSVVV BRAVQZDVPUVPSAISRIJOSVQLQLODPCTPSASPDSEPSDPS MESFPESSLSALVVDLTPRNNSAALLSPVETPYANVDEVHNMR LMLRLLDFAACVEBRIDGVIPLARGGVVRQWQWSSFLVLLVAA PVPVTVLNWFSTQRCGTDVYVHIGALLRCOCVVVALISLPRFR IKT
6527	1	922	SGRAGSPPEBWRGRQIIDSKETWIPPNSEDSLEAYSSGGKGN GRVVFPTDGGYRDVHGLERMYRAVIMDELASEVRKCTWFYKGDD NKIVVYPSKSFSQVLETYMLAVTLEDEWQKQHSEBIIILHNP KIMVHYQPVAGSDDGSTPMQECQRPTVKGVRGENVISVDIHCGRP LQIDHLLVWVHRGIGPACDLRFSTIYQCVNDFRSVSLNLQTHPK KAQRMHQIQIGRVEFLPVNNHSPLHTJVGDVLQRLTLPSPNIRLH FINTDILDVFFYNSPTVQQTIVDTVAS3MNRYIYTFLPQRNDPK GGVSIAHGSLSLILITLTNOKOSLGLCIDEKGSLNIVMDQD TPTLEEDLKQKOLSLRSRFDIFKEKEVKDKEALACTDRLQDQIGIP LGPRLKKLILNYFSTRKNSMGIKRPAQPAQASGANTPKESEFCCSSN TRNGKKLLDVGIGQUSVKNYVPRYLXPKPEFVQGMLFVTRGL KRIDPQYRPFCTKGEMIYHPPDPPVAYRIERFMVVPQGEFEEBMLI PHHKGKUMHLLRSLRGLTRMSNDLKGNLISLRLMAKQSFTRAPY PAQASSETPPTTAAPESTSEKPDVNTESTSVAKKEEVLPIV GMINGQQRIDVYLQEKPTESFNEYLPAQSHLCYCNWSRUDTLLV LKSIIYQTOGJFIDQPLQ

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			LVLSESRKGRREHLSEEDILRNKAIMESLSRKGKGNIMEQNFPPIRQQSLTPPPNTITWEETISAENGKAPHLGRESKSXTKATIA MSQEFPFLGIGILLNNLVLEVVAPFKFHNFNLREFVQMLKPPGFVRL DIFVFPFTTATVTFOEYFYDEFGDSIPTIEFDYKPRDFPFRFPLD
6528	1	1073	LIGPAAAEPCRAODNGERA_GERKEGVNWLRLRKILFLCVGVLGLYIA IPPLIKLPGICQAKLIPFLNPVRVVPYFIDLKKPDDQGLNHTCMYY LQPEEDVTIGVWHVPAVWNKNACGKDQMWEADALASCHIPIILY LHQHAGTRGDRGDHRVELYKVLSLSSLYHVFTDYRGWGSVDSTPSE RGNTYDHALHFWDIKAASCNDNPVIIWCGISLGTGVATNLVRCLCE RETTPDALLIESPFTNIREEAKSHPSVSYIYRGPDFWFLDFI TSSGICPKFANDENVKHSICPLLILHAEDDPVVPQQLGRKLYSIA PARSFROFKVQFVFPPRSLDGYRHKYIYKSPELPLRILREPLGKSE PEHQH
6529	363	2215	THIRYKIGVVKUTMSGGNSFVBTLEKIRGIVFADNNLNQGEHDIFDWF EGVVEDESFLKWPFGNNVNEQVNLSERELBAPSILQSKGKFLRGA ALDEALKTCCTSDELCTRLLDKELKELEBLDEQTLKXLNLNKIQR RNKCOLMASVTSKSLRINAKEEEATKIC_KQSOSGLNVAWIKIS NELQALDTDEVTLW@FFRHSNLQGQTNP7LWFLQSOFSLKYLQSE EQSTAALTLYKRFQFGHVEVSSSNNSQFNTFLKIQTTSICD NQELEEREREMARLAATICAQHQLIHLAHLQKQKLSKQKSIKWA ESLMLSTSXAVDKENMLLAKISLTSEIMKLEKHTVQIKDRSLPA VRENAQQLNIMPVVKGDPEDLQIAKQDQYTTARQVLVNLQKQKA SEPLLQSYEIELRKRHDITYQRLENUVQELSQSNMMYQKLEM TDPVSQQINPRNTIDTDYSTRHLQVLTGQHNTQFQH LEEVAEKLKCNISLVLQDQLAVASQAERSHFSFLSKRNKDWDMLCDTL YQQGQVQLLSSDQELTEQFHKVESOLNKLNLHLDIILADVKTRKR TLANNKLHQMEPEFYYVFLKDEDYLDKIVENLETQSKIKAVSL D
6530	128	2986	GAANHRCIAVCVRPLLPQSSSSMIMHICLVLVPAKJVVVYSDIQ ELYIVRVDKVKGKTVCAVVRVLDDLHKPFLAKYPPFMNLKLRA ASPIITLVALDSDALNTYTITFLIRGVAIGOTSLSATVNKAGQR INSAAQOIEVPPPFMLPMPKTYLILIGATMVTSEBGCPQPSNVL FISISNESVALVSAAGLVCGLAINGNTVSGLIVQADATEK3KVII SQDLVQEVLVLLRARIAPIMMRRTGTQMPYIVTGJTNQNP SPGNAVPGLTFLHMSVTKRUDLRLGRHHNEASIRLSPQSNFAMNV LGRVKGTLBAYVKAUDETSTSQGLYGLARELSETOVQWPEFKLQ LNPPIRAEQIILANSNSYIKLQTNRGAASLSVRLDPEKPV/PV VHVDEKOPFLASCSMIGTGSTIEVIAQEPFGANOTLIIAVKGVPS YLRVSMSPVLMQNKHZALVAVPLGMVFTFTVHFDHNGDVFHIAH SSVNLFAATNRKDDPFVQIGKGPNNCTCVRVTQVTSBQVWDAK PGLSDFKMPFLVQIAISPELSGAMMVGVDLCLATVLTLES3L5GT WSSSANSLIHIDPKTGVAVARAVGSVTYVEVAGHLRTYKEVV SVVQRIMARHLIPIQTSFPRATASKVTVAGDORSSNLREGETPT QREVIAQALHPETLSCQSOFKRPADFDFPSQDVTFVEPQFDTALG QYPCSI7MURHTDQKRMHLSNKKTIALVVSASLSSHSTFQVGA EVFPSPOLIADQAEILLSNHYTTSSEIRVFGAEVLENLEVKSGS PAVIAFAKEKSFQGPSPFITYTVCLDPAAGSQQPLSTLTTFSP VTNQRIALPVTVAFVFDURRGIGPYGQASLPHFLDSYQVMFTLF ALLACTAVMIIAYHTCTPDRDIAVPAALTRASPCHSYPFAAS SPTISNALPPKARSPPSGLWSPAYASIE
6531	845	1425	PESS1PPSASPPVDPD1R7C1FCFLVEDPSVGCGISSEKCT1SS SLCMVITTYDVVKRIVFVRGGCGQYIYSPCKRNTYFAEYVWYQA QCQQYDVCNSMSSPQLOSSLPEHDRPLALPSDQS1QNYQYAL NLSLPLPNFHAGTEPQDLDPMVTLISNLGLSFAELRMYLFLNS SGLVLVPOAGLITPHPS
6532	2	954	AAQPPSEVVNQDSLSEPEPECPGCPAQVLLGPGGGLIKGVAPPY

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			ITTSIGTTHLVLTVINKKNAHSPGSLRGRSGPQFESSPGSFAPAPSAQMDLEHPLQLPFGTITSTLLKKRPPGVYEAWNSQPKQENGSSSQQMDMIDLTLQSCEISADPKPEPPSLPGKPKPTVNCSPLAAQFSSGALLPOAAPEPPPGSFLSPQRLEDPLESSTGLPLTSGHDPGPBPLSLDDLNQMSMLSSSTAIDLDPH6PMDTSEHLHPVPEFSSTMGLDAGCHLDSMCWIESSGGQFVLSLAPLSTTAIFSTLFLGDQLQHWDSCL
6533	1798	373	STISLARWEAPPTRSSVGVAARLRLPPGSRPLRCAVLAFLALLERNNADEMSAHSMICERIAIAKELIKRAESSLRSRKGIGIEGGAKLCSKLUKAELKFPLQVKAGKVAIKESSHLOSTNLTHLRAVESAEINLEEVSVLHVFOYITDTLGEKQTLLVDVWANGHTWKAIRKABALHNWLGRCQYDGKIIIBQADFLPAGSHQOPVQYSNHHIIFAFYNSVSPMAKLUKEMIJSVRGDIVANVALLDHPELQPESSESDDEGELLQLVTRDRENILASVAPTFITKVDFCKRVNLDDITLTITYVSALSYYGGCHTFKEKVLTQDQREKEVQLPQLEAFMKGKELPFACESAVVQDFQSIITLTDQLOGEBERATVILKRINVVDPDPSERALRLVASSKINSLSLITFGCILAKATNTANSGIVRAANNQGVKESVFLVHOPRALTEKSKALATLPKDFTTDESE
6534	47	596	KATRFISAAFPVNLNGQVSALLENTSNSWGLLQLTLFLPSGDAEAKSLQCFFCSAMLLTIPLLGILHFVLTIAQVSQPDQDIIHTCVS2QASIELRCNYSYGMATPLNWMEETVEPITLJUCLKPMWRVASSLEKKEKEDESFOLLGSRIVNLKAHCILLELIRKWTSGDSLSSQPHCPQGL
6535	250	964	LKTFTRFVAIQRDLLKEFKNELTLLTFLAFDIAKFSHARLSADATLTSQTTAVALLRDQGIELVUVASGDSRAILCRKGKMKCTIDHTPERKEDERIKKCCGQFVAVNSLQGQPHVNGRLANTRSIDLDLKTSGVIAEPTKIRKLGHADDSDFLVITTDGIMVNMYSEINDFVNQCHDPNEAAHVTEQAIIQYTEDNSTAVVUVPGWAKYKNSSEINNSFSFRSPASSGRNA
6536	242	1174	SLVKEMTNQXGILFKOQAHDAIWEVAWGTNNKENSETVIGSLDDLKVWVQWGRDERDLQWLSLEGHQLGVVVSUDISHTLPIAAASSLDATHRLWLDENGKQIKSISDAGFVDAWTIALTASPDSSQSYLATGTHVGVNIEGVESGKKEVSLDTRGKFFLISASPDGKLYGASLDGIINIIFDIAKGELLHTLBCWHAMPERSLTPPSDQQLVLTASDDGQYKIDYDVQHANLACTLSGASHNVLNVAFCPDDCHFVSS93SDK9V9KWDVGTTRTCVNTTFFDQHQDQPVNGVQYKYNQNGS1K18VGDQDZQH3HITDCFI
6537	1638	921	NRPNNEPPTTQGPDSLVIYRFDVDPPEVAKDQKQTSQGLPFLDRVITYKLMHSTHQCFDFTVRSRKAQPGFSYXKMTMVEADLDDGIVDESDFKLMQFNFNSHAFQTAEGIRKAHFQDWFHVLGLMDLCVLAIFGEPEQWAVVVGDTFFVGCRRQASVVFCDSTQCNPDLQDFRYSTELGMQPHCQCLDRVLMWSWGHIDGEARGGQWGG3GRWGTWGGGAAEAVFAGDTLSQ5CTCR
6538	3345	2412	PYLYDPLDALITCOTIAFEEAFIKDGLAGMLTBDLRITRQVQEARIHNNDDPAIKKAVNRYDFTMEKYIIPVLMACAXIYWNLENYPMVEKIFRKGSVEFCMHDWVVKLAVAHVLFMENKYYKAIQPYEPVIXKHNDNLNVSATVLAJLNCVSYIMTSNEKASELMRKEKBBEQLSYDDEPNRMVYHLC1V1NLV1G1QYCAKQNYETGT1SRV1SLSPVNKKLGYTDIWYAAKRCFLSLLRNMSKHMIVI1HVS1QECVQPLGHCXLYGTTNPAPIVQPLKEERMEIVQNTVTD8RSRQLKALITIIKGWNK
6539	218	339	NK
6540	3	391	PLGAASFPHPFHSSLAPHFQDFEPFTVQDLEAMEIWMGPVGLRRLWLLRLRPEDAMAECPTEGAVTDEHDLRNWAEKFVYLDKQHAWLPLTIEKDRQLQWVLLRREDVVLQRPPTVQGSLLPIMWQLYPDGRYRSSDSSFWRLLVYH1K1DGV6EDMLLELPDD

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6541	1155	536	RTLVQERIILMLLEKPARGEGLRGRGRGTPGRGRKLGLPFTPIEFP RFEGGKEKPDSWGDGNRPGPQGHENHPFVTPFDIPDIPHGDHSPLASRE RSSSLQGMDMASLDPPLPKRPMWHDPGTSEHREMEAPPGPSEDRGG KGRRGGPQPAQRVKWSGRSSSLDGEMHMGHRDEFGPPGPGSGTP SRGRGEGSNWGRGSNNNGGPPRKGASRQGRGR			
6542	3	3775	SWPZGRGTETGGHIGALTRIMIQSWSVRYHAYULAFKARLKEGT KRGPLSKKTABAAGRWHIEKFALYQNVLFVTFEGPGRCRPGAMYL EGCSCERTAPPRAGAGGCGVGRDALDKQYTFVLFHGHEQKPLIE IRCEBEEQKWEAIIHOAQASYADILIEREVILMKQYIHLQVIVET EKIAANQJRHOLEDDQDTIILERLKSEIIANLTKTKEHRMPYQSNSQE DEDPDIIKKIKKVGQFMAGWLCKRKWKTIVQDYICPSAESMRKR NQIVFTMVEA2SEYVHQLYLWNLGVFLPRLMAASSKKPPISSH VSISIFLNSETIMPLHIBPHOGKARIANTWPITLIALDFDILLPLM LNTYQEFVNRNHSLSQVLAQNQKQNDPFDKLLQEPACERGERM LETFTLYPMQFIPRYIITLHEILAHATPHENVERKSLSFAKSML ELSRRVWHEDEVSDTEIRENLAIERMIVGECDIILDTSQTPIROG SLIQQPVSGVERGKLSKVRLGSLSLKKEBGRQCPFPTKHBLICTRS SGGKLHLKLTKTGVLSLIDCITKREPDASDSDSKGSGSPVPHGILDF KIVVEPPDRAAFTVTLIAPASRQEKAJNMDSISQCVNIRCNJLM TIVFEENCSKTVTYPHNIKSDARLHKDDTDLCKTSLKTNLSCKVQIR YASVERLLEIRLTDLPLSIDFLNLTFLHTTRPITTAAVAVLGKSD IYKRPFTSIPVRSLELPFTATSQNNRGEHWDGKSPRLCRKFSSP PPLAVSRTSPSPVRARKSLSLTSPLNSKIGALDQTLSSSPPTTQS PAASPPPTHQIPLDLRSGLSSPEQSPJTVRNQVNPRLDNCK LKSRIQKAVLLESPADPRAVGESSPAADTIELSPCRSPSTPFRHLR YRQPGQGTATAONAHCSVSPASAFAIATAAQAGCSPGPNERTTC DKFETIIRRATANKEVLNVLIRMVSKHAQDEFELNLNNLNVNLILE EVLRDPLDLPPERKAAANIIMALSQDDQDDHILKLEDIIQYQDC MKAECPESLSAMELBQATQITLLHNWIFSPILPYEEFHQV NEERTPYIMKTSQRFNDMSNLVSAQIMYADVSRSRAIAEKWAV ADICRCLMAYNGVLEITSALNSRASAYRLKWTMVSKCTOKLALND KLOKTYVSSBGRFKNLRETLEKNCNPAPAVPYLGMYTLDFLIEBGT PNFTTEGLVNFNSKMMISHI REIROLFOQTSYRIDLHQPKVAQYQ LKDLDLIIDPTEYLTSKIEPEPLPA			
6543	1857	950	FVSGCCGRAGIGLSWMAAEEARVSEWYFGGLASCNAACDTHFLDOL LKVHJLQTOQEVKLRMWTGMAJRUVTQDGLALYSGSLASRLCRQNT YSLTRPAIYETVRDRVAKQSQQPLPFPHEVLLVGSVSLGAGGFG TPADLUVNRVMQNDVAKLPOGGRNNTAHALDGLPQFV SGTMASSRGALVTVGQSLCYDQAKQVIISLTSGYIJSINIFTHFWA SFIAAGGCATFLCQPLDVLTTRIMUSKGEYVPHCAVETAKLG IAPYKGVLVAGTRILPHTVLTPTVFLCELRKNGFIVKVP 6544	630	79	PSPCFIRSRLDQGPMAGLAWLSQLQFSLJQHQSRSVVRASIS ESPSTDTPPEPRTLNPSPGWVQVQPIELEMMSFRERPORNWLYQ RSHLBPQSNPLPATITSAAPSAPASSQGDPТАРРРРСРСЕЕАР GQES PQKMSEEVRAEPOEEEEEKDEKEKEEGEМАРРРРРР EGKOKCP
6545	176	560	PPIHSAJALLPAAMTTLTILHIVLNLPLBLAQLADCHVCAYGNIN CNPINPRCMAMVYCMTRITTYIPTPRMKVSCVSCVYHVGTV SKHABSTTSQQYDLCNGTGLATPATLALPITALWLL			
6546	1657	364	HILLNLGLDEAFAFPVADIGA1VRKHFCLPLCPVPRFVAKWCNS SPGVKLVLAQOLGIJGFSCCNKABMELWQH1GPKASL1CANCPCQ LAQAYA1AKHG1QJLISFNUENMR1AKVVKSHPSAKXVLCIATDQS HS1SLCSLKGVSLSKSCRLHLENNAKKGHEVVGVSFHGSSGCD PQAYAQS1ADARLVEFMEGTELGHMHVLDLQGFGPTEBGAKVR EEIASVINSALDLYFPEGCGVDIPAEIOLGRYVTSAPTVAWSIIA KEVLLDQPGREENGSTSKTIVYHLDGEGVYGFINSVFDNCPIC			

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6554	119	1244	FBMGSSCVSVEGAGLHVIVVGGGGGGIAASQQLANVPPWFLVQWDKSHRHVAALRASVEIGFAKKTPISVSYSTVKDNFQQLGVUGIDLKNNMVNLQQGEALPSHLLILRGTGTPGPQKPNEVNEVSSQQAAIQAYEDMURCVRSERFIVVVGCGGS&GVEMVAEAIKTEYFEKEVTLTHSQVALADKEPLPVVQEVKSEIILLRKGVOULLSERVSNLLELPVNBYREYIKVQTDKTQSVAVNHLVILCTGJIKINSSAYTRKAESRSLASGALARNSHILQVGGS&NVYIAICD CADVRTPKMAYLGLAHLANIAVANTIVSKQPLQXKPGALITFLLSMQRNDG3VQOISGFYVGRMLVRUJKSDLFVTSVNTKTMQSPP
6555	1552	498	IHALMLRKINQVNLFLILTVLCLVILYKKVHGTVPKNDADDESETPPEELIVPIVCAACGRGMATHAANINSYNTNDANILFVVVGURFTLTIRKWIHSKLREINFKVIEFNPMLGKQKIRPDRSSPRPELLOPNTFLPDLIHQHEKRVYIYLDDDVQVGDIOELVDTTLLAIGHAAAFSDDELPQAQDINRLVGLQNTTGYLDYRRAKAIKDGLISPSTCSFNPGVIVANWMTMEKHORITKQLEKWMQMKQNEBENLYSSSLGGVATSPMLIVPHGKYSTINTPLWHIRLGHQNPDAYSHEFHQEAKLHHWRNGRHPDPFSVNHNDLWESWVFPDPAGIFKLNHNS
6556	241	1449	ASLGCKGCFVTHVLVILLPBLQSFSTFGFLDIDGVLLVGRHRVTPAALKAPERLVLVNSQQLQRVPVVFVTRHAGNHLQHSKQALSAALGCRVDAQVULSHSPNMLKBSFYIHEKRMVLVSGQGPVMMNAQGLGRFNNVTDELQAPFLLDLVDLDRERLRTTPFLPDRNFVPHLPLVNLQGEPVRNETSLQIMDVLWSNSGSPQAGLATPPHLYPLVPLASNNDLWMNAAKMPRIGHTQPLCETIYKVIGELRYLRGMLGKPSILTQYAAEDLIRRQAEERGWWAAPIRKLYAVGUNPMDSVYDQANLPHQYLCRATHDGAPELGAGGTRQQQPSASOSQSISLVCYVNPYNNPQSTEPVLLGGGEPFPFHSHDRDLCFSQPLMEASHWVNDVNEQAVLQVRKGOWALE
6557	2598	1534	RMCGRGTLCHPLRDVLTRACAYODRGQQLRPEWHDZDKYCPSYNKSPQNSNSVLLRLSRLIEFKADDSRSERIIAMPMRQLWSPMSWFKSDPSKLQFNTTNCRSDTVMKRSFKVPLGKGRERCVVLAJDGFYEWORCQGTRQROPYIYPOPIKTEKSSGSIQAGADSPENEYKVNDDNNEILTMAGIFDCMEPPEGDGVLYSYTIITVDSCKGLSDIHRRPAAILDEEAVSKWDLDFGEVSTQRALEKLHPTENITFHAVSVSVNRSNNTPECLAPVDLVVKKELRASGSQSRMLQWLATKSQIKEEDSKTPQREESDVPQMSQFLQKSPPLTKRGTACLLBQNLKREKEEPVAKPRYQ
6558	21	1138	#HGRREBGRKMEMLGSCLEGGEAEAREEGEPEVKRRLLCVEFASVASCDAAVAQCPFLANDWEMERAKALNSYFPEVQASALERITSEPKTYVDLNRKRTDTSTKISPSDTEQNSNSFSLITWIDGLDNANLISERARGVCSYIALQVSPDVFVQDPEVQDQVQKRSNYEITTGHEBGPYTAIMLKSRVVLKSQEIIPFSPSTKOMRNLLCIVHVNVSQNELCLMTSHLESTRGHAAERMNQKLMKLNQKAEPESTVTFAGDNTLDRREVTRQCGLPNNTVVDWVFLPKGEKICQYTDTONNSNLGITAACKLRFDRIFFRAAAEEGHIIIPRSLSLDLGLKLDCSRFPDSHWQLLCNLDIIL
6559	3	364	GPELSGLITPKLEKANQTPIAMDCCASRSCSVPIGPATTICSSDKSCRGCVCLPSTCPHTVWLLPPTCCDNCPPCPHIPVCPCTFLMSKRCQGPTQGLETLNLITFTOPCCEPCLPRLRC
6560	3	1435	TATSGGIMHLRKWCNCHPRLPQSCVGIEGSLQVDTTSRIAKGGDVHTRMSLIGASGCHERSRDRRRSSEDRSDSSHSHRTESQULPICIRNVTSPTRQHVVVERKJHSSRSPSPNPKRQASPMGPISSAAGNSSNRNSQSSSDGSCTKAGEMVFWVYNAKEGARNRINTSRVTPTRIVDNTFRVVDPSIFTAQAPNTMLGMRMFGSGRENFTRPNEKEVYVAEGIGSTVRAILYYKKTGIIIRCPCDGISIPELEACDYCLCISFEYSTEIKRDLISALMHELSNDGARRQPEFYIENILPILMVAQSAGSERECHIVLTDVDDDWDEEYPPQMGEEYQSIIYSTKLYRFFKYIE

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			NNRDVAKSVLKERGLLNKIRLOI ^G YPTYKKEVKVKKPGGRPEVITYN IVVQPFIRMWSNEKEEGSKRHDV ^D QQCVKSISITNLAAADAP1QDQ QLVVMMHPTPQVCDLILPILHPPGSNSDLPDADQNP1ML
6561	3	1086	PGRFRPRKESSESSNRP ^F ADCLLGTRLGP ^R PSYWSHS FCPMMAALTDLFMYNRWFKNCNLWGNLSEKVPITGCDGFGNL AKQLVDRGMWVLA ^C FTCERGQSXLRDPTSYRLTLLDVTCKSES IKAAAQWV ^R DKVKGEBGLWALVNNAVGOLVSPGPNENWLTKDDFVXV INVNJVG ^L EVLTHMLPMVKRARGR ^V VNNMSSSGGVR ^V AVIGGVC VS ^K VGF ^E APASDLSIRRELYPVGV ^V CLIEBPGNYRTAL ^T GENLES RMKELW ^E RLPQETRSYGEDYFRIYTD ^I KLNIQW ^M VAEPRBV ^D VI NSMHEAIVSRS ^R SPRYINQGLDAKLYIPLAKLPTV ^P TDILSRY L ^R PDASV
6562	1	1562	MSTLIVTAIRAHKAQILR ^F 7A8SISWKAELBQ ^R PTLHTD ^T KEHLBDRV LYEWFLGKRSSEGV ^P VG ^G MLIEKADPYQ ^M OLTEPC ^V /PSGGL ^L WRKFAKHQI ^K KLQASSENQ ^S ADHO ^M AEQC ^T CPFRSLAEHGLSA EQVYNAADE ^T GLP ^W PLCBLNP ^T PEGG ^A VG ^G PKQGDRLTVLMCNA TGS ^H HLRKP ^L PLAIGKCSG ^S RAFKO ^I QHLP ^V W ^A Y ^T Q ^A Q ^N W ^A W ^D U ^T PS DWFWH ^H IF ^V PSVREH ^R FTG ^L PLP ^D KA ^V L ^D LSR ^A HP ^R Q ^A EL ^S SNVFTI ^T FLP ^A PSV ^S ASV ^V U ^O PM ^B Q ^I IRDFM ^N TF ^P PLQ ^G PHAR YD ^A Q ^D LF ^S VAC ^A W ^V PSH ^V FR ^R AK ^L W ^N PS ^V FAE ^S SS ^E SS ^E LEABC ^F PK ^V PHN ^K TAH ^L LE ^V KE ^G SS ^C FG ^Q LR ^A GA ^S AS ^N VG ^V REABGG ^S PAAT ^S PAE ^V VWS ^S E ^K ?PKAD ^D GRGD ^P GEG ^E VA ^V QA ^A VA ^V DA ^V LR ^V FA ^E ER ^C FC ^F SA ^E Y ^V Q ^G RL ^A RA ^V FR ^S QQ ^Y VR ^R GALGAV ^V KV ^V LE ^Q B ^B PG ^G CG ^A TA ^S SP ^L PC ^S STAGDN
6563	1319	2694	LARPQ ^A PV ^L LR ^E PE ^A G ^F PV ^G FA ^H GL ^V HL ^H Q ^I GH ^J RR ^K ER ^L RA ^M HD ^P LE ^A HE ^B PL ^C QDM ^F W ^G QMG ^H HL ^I MR ^J W ^K ANS ^L RG ^M V ^N G ^P Y ^Q IG ^R Y ^S AN ^T Y ^V GV ^G GG ^G CF ^G GL ^A S ^T TS ^S T ^T Y ^Q DS ^V K ^V H ^I Y ^E N ^Q R ^M N ^V T ^G Y ^T GT ^S RG LPTD ^R Y ^M MS ^D A ^G GL ^B CE ^C TK ^G T ^K PS ^L Q ^M W ^N U ^S M ^T PT ^V PS ^P VG ^G T ^D Q ^G W ^Q Y ^A S ^D FD ^A SY ^T Y ^G KS ^I M ^K D ^P V ^R CR ^K W ^L CK ^T PS ^V GW ^P WL FP ^P PI ^I RL ^D V ^S I ^I PS ^P GE ^G SG ^H SI ^I AL ^A W ^V PS ^S U ^M PS ^T Q ^V LC ^L RV ^G E ^B LN ^F AG ^G SS ^H HL ^I VG ^J TD ^K OP ^L FA ^M S ^N I ^O G ^P Y ^Q SV ^R PS ^S U ^V VAL ^D EN ^G ML ^W Y ^X G ^Y PS ^Q PG ^S SN ^H EV ^S N ^I WC ^R VS ^V GL ^D Q ^M U ^V V ^I AN ^K V ^G SH ^S IL ^L RG ^T CH ^R TGV ^Q PH ^E PK ^G HGDY ^G IG ^G GD ^H DI ^I SV ^R AN ^J TA ^R PR ^S SQ ^O BP ^E SP ^A VE ^H RP ^G PK ^V C
6564	1	975	A ^F GS ^C CLL ^G YC ^H GR ^I WS ^J RA ^K CC ^L CL ^I RS ^M GP ^D LL ^N SL ^O SL ^P K ^Q RA ^E TH ^T HE ^P ET ^E VE ^S E ^E KK ^G KV ^Y Q ^V FS ^V AK ^K TD ^V W ^N MD ^N MS ^L I ^I HR ^V WD ^I LL ^J KK ^H IP ^I PT ^J Q ^L LD ^V AG ^G GT ^I PS ^I Q ^Q Y ^Q Q ^Q Y ^Q Q ^Q Y ^Q Q ^Q K ^Q Q ^Q Y ^Q Q ^Q VG ^Q Q ^Q Y ^Q Q ^Q TH ^I D ^I Q ^I AL ^I QE ^I HH ^I VL ^I PK ^I GP ^I R ^I FL ^I CE ^I FS ^I Q ^I V ^I N ^I LS ^I RI ^I Y ^I D ^I Y ^I S ^I Y ^I S ^I LS ^I T ^I GT ^I YES ^I LT ^I SG ^I VA ^I HS ^I FG ^I KL
6565	1464	999	RS ^A V ^B ANG ^C LT ^D HR ^E NG ^F KL ^G LAG ^H RY ^I IS ^J L ^K LA ^L VA ^M Y ^N LV ^O VA ^P RA ^R AG ^S KD AV ^V KG ^F PS ^I CL ^J LL ^K GD ^M SM ^N Y ^O PG ^P LD ^R DK ^T NT ^V TC ^Y WT ^Z ED ^E H ^S C ^T V ^T AL ^V DC ^Q Q ^A AD ^M DK ^N LR ^K KE ^S KN ^L M ^I Q ^G SL ^P FL ^R CG ^S GS ^N GA ^G S L ^I LP ^A PF ^V LL ^S LS ^A LA ^T LT ^W SF
6566	3	1385	KYES ^A Q ^B FG ^C Q ^D OP ^E FG ^F GA ^G MA ^H IK ^I AL ^J U ^K CM ^L GP ^M L ^N FL ^P FG ^R GA ^S Q ^Q H ^V WP ^C Q ^G LN ^D LP ^H LY ^I LN ^J CD ^K RS ^M GA ^G W ^N IV ^P EA ^R AG ^S IV ^T FT ^V VL ^I T ^I I ^I LV ^I AS ^I LP ^I FP ^I D ^I TK ^I RS ^I LL ^I G ^I T ^I Q ^I V ^I FF ^I GL ^I FL ^I CF ^I ACE ^I K ^I PDF ^I SC ^I TA ^I CR ^I SP ^I FL ^I RP ^I GL ^I FA ^I IC ^I FC ^I CS ^I CL ^I A ^I HH ^I VL ^I FN ^I LA ^I EM ^I HH ^I GR ^I W ^I TP ^I TV ^I W ^I LL ^I TA ^I VE ^I W ^I LN ^I LL ^I IT ^I U ^I VR ^I GS ^I EG ^I PC ^I GS ^I NC ^I AK ^I VA ^I ASP ^I CA ^I AA ^I MM ^I CP ^I W ^I ML ^I Y ^I V ^I W ^I LL ^I LG ^I AW ^I PA ^I LC ^I GR ^I Y ^I RR ^I KH ^I GV ^I L ^I LT ^I IT ^I AT ^I RS ^I VA ^I W ^I W ^I IV ^I MT ^I Y ^I GN ^I Q ^I HNS ^I FT ^I WD ^I PT ^I LA ^I AN ^I AN ^I AF ^I VL ^I Y ^I PI ^I VE ^I PS ^I V ^I Q ^I UT ^I KS ^I SP ^I E ^I ST ^I Q ^I GD ^I MP ^I FT ^I TR ^I GV ^I Y ^I ET ^I IL ^I KE ^I QG ^I QSMFVENKA ^I MF ^I SD ^I EP ^I VA ^I AK ^I RP ^I V ^I SP ^I Y ^I SG ^I YN ^I Q ^I LL ^I TS ^I V ^I Y ^I Q ^I PT ^I EN ^I

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			MHCKVPSRQEAYDILFLRATANSQVNGSANTRAEOMYSAQSHQA ATPPDKGMSQVFRNPYIVND
6567	125	863	TKRSNLKAYAKCIIHAIKYMSTYVFNNDSSCTTNVPLLCACIGDFN YSKRLJLESFGDPNIRDGRGRTGLHLAAARGNVDTCRQFQGAD LLATRDIYQCNNTALUHCQHGVTIQFLVSNGLKDIDCINHQGATPLVL AKPRGVWQDVDIRLLESFQEVKGQFNRGTTMOTASSEA MEHSISSLNPNLQGEGVLSFSFTTNGEFVFLGQFWRVLVIIIFVI ALLSLSIGTAYVSVGVLVLPFVNENPQELVH
6568	3	1183	HASDELRLVLDNYSHFSQASANLGQSRTTEFHPTLASISSPK LGAELAFLVNDVHDYLEGFLVRCGKASLLQDQYIINLWQCTELLED KIHQTDTDYQCNNTLHNPLTVSKIDTMRKLRCLGFHBYPRHNS LSPBLSTPLTYMTCSYMDNMVLLMNGALQKSVSEKLLKGKCHPLG RPTEMEAVNIAETPSDLFLNAILITDPLAFPPQDCMGHNADELBN IELLRNKLKYSLVBAFVKEFCGHQGDVTAEVNMDPZILEFEDRAAF LITLMSFOTELSKLSDERBTLYPTFGKLYPEGLRLLAQABDFFDMQK NVDADHYGVYVPLFEAVGGSGKTIEDFVYFKEVQMNVLAPNQG HYGVFTIAYVVLKEOETIRNTVNIABCSCQRHTKINSYIPIL
6569	205	1532	RERGPQRQHGHGPRTPLCRNTRQAPSWSHEKARAFQFLRDPVDFR RMSWLJFPLTKSASSAANGSPGQLTSLLQQKQRLLIESLRNSHSSI AEIQDFBVYRPLFTINNLTINNLLPQQFFQKEPVIPYVVPYR HHLMDKQGVVVTSLPVNNNTMHSDLGKTTQSLDEBFWKNPFWVIA PSTSTAFPLVYSPNSOMSPYASQCGFPFLPPYPPEANRSTSLSV ACTVSSSSTSHTTAPAPASPGVLSNLPPLPTDASLISPTSONG FGYKMPDVPDAPELSELVSVSOLTDNMRQEEVTLVQFQLTLPOLK QITTFDDLVKSIEELARKNLLLEPSLRAKQ7TLYKZBELLTOM KSTFFKKWUQRQHELSCSASALQARLKVAHAAEESDNIAED FLEGKMEIIDFLSFS7MEKRTICHCRRAKEEKLQQAAMHSQFHA PL
6570	330	1304	ARLPFLITFLREOFVILSHHFVQGAPRPAFSSWKGFLVPSAP PASRKMGSKALDPLIPLHPSLQLINYSFLQAVNTTPATVHQLHG LIGLSAVQTMVHMHNNTGIVPUNHEITRSTTMAEAQAGLQDNDARF PPPLPLPTTHLPHKGQALAHAVLPLALHKDRPPLRFDANLAVAATQ EDPPVXMDLKLSPLGSPISIGLSKLTDPDKRPSRQE_PSKTKK FICKPCGRHHTPSYNNLLIHERHTDERPYTCDCIHKAFQRQDH RDRHRIHSKEKPFICQECGKGFCQCSRTLAVKTLHUMQSSPTAA SSAARKC987VTCG001
6571	169	656	APDMRKEKLQDITDTLTKNCCHLFRGFDKNDGCVNLFEWTHGL SLPLRGLSLEEMKCYCEFFVDLNDHGDFISKEKQFQKLNQFQF SESDPDPDITKDLVEITLKKMHDHDKLSTSADYLAVREBTTL EARGPCLPDPSKSMQFETQAVFKDPNEFHD
6572	49	1646	TPERAQPGALLGAAGCCVGGRWWPRSHERQFSSAKMGSKERR LCSERQJQLKUDDENYCKKLHVQALKNVNISQTRNQMVQNENDNRV QRQFQFLJLJLQNEQFELDLMERAQIKABENKRLKELOLQKSEKLAM EIAKLMKESLUDKMRQVQINSIELRELEKKLKAAYMKRERAA QIAKDKAIXYKMRKDAEIAKTMKBBHKRITKBEAAEEDKRNKA KAQVYDLEKOLEQEEKKQKRAYEOLLIKEKLMIDEIVRKVYBED QLEKOKUKEKMANRIRYIMBFOKEQALWEKKRREMEENRKII EFANMOQREDERDARVQBNNEERKIJQJLNLNTCKLERM_LQRQED LQBFANVOQREBEEKQYKSLKEBARKLKLQKEMKQDFEBFQBMQA LKEVILVLAKEEERQFPLACKCRELSEWQJQCORQGFIQKRMKQLE HRPAVKEIISERQFPLACKCRELSEWQJQCORQGFIQKRMKQLE RKLKLKHEHATNLLGYLPLPGVFKKEDDIDLQGREFRKVYQQRSEI CSEK
6573	767	275	GGGGGESQSFRQDGTTRTPATDCLMLQGQRKLMTQGGYDMVQR LFDFPFRRLSQRPTABLEQERNILKPRPNQBSQEKREIKRRL TRKLSQLRPTVKEELRERKILIRFSDIVYEVADAQDYDRRADKPWT

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6574	204	1159	LSESSPVSVGVFWAGCGSWTGAAGLQDGALSDEWMAEKAANTA LARPRQAQLBEGVKCRRRPLFASECTTEPLAKAEKWRQRIGIEISK KVAQIQNAGLCEPFRIDLNDEINKLRLREKHGEVWRIKELGDPY GKVGPKMMLHEKGKPVGNRGYKFGAAKDLPGVRELPEKFELPP PRKTRAEMLKAIDFSEYQYGLDDEDGVIPVLEQBYEKSLLRVE KWDKAERKARLARGEKEEEEEEINIYAVTESDEEDEGSEOEKG GDDSGQQFKLIAHVEPVPSQORITEEALVRKKMELLQKYASETLQRQ SEEARRLLGY
6575	117	820	SPALASQSGGITEKMLPQENGVFLDPIPYERVDEEPPFP ASPERDQEGETDEEESNGAPVPVPKRTVKRNIPKLDLQLRI SEROLPLRHVFDKAKFGKGHEAIDLMLIRHMEWAHLRFPK LQFEDFDIDRVYELGSKKEVOTCLKIRLRLDPLIHLEDFVSNNDNEBV AEENNHDVTSTELDPFLTNLSSESEMFAESLISIUTEEQQQRIR NIKOLALERROAKLP
6576	1	1060	PEPOALVQKGREGALILWARIUITYSAPEAVERRFLRBLPSLWMD RETRALADSHFRGCVGDVPGVGQGABGRVAFPSFCGAFSYADPFDV GFLLPNLPCVFSASSATPQGMGSRRRWTCPGRDFDHLRLRTYGDV VVPVANCCGVQEYIHSNPKEHMTLDYIITYKEYIAGYSSGP3CL YLKDWHLCRDOPFEDVFTLLEVYFSSDNLWNEFSDALWYHFVY AGPAGGSWPFFHADIFRSFSWNSVNGRKWWLPPGQKERAHLRC HGHLPLVDVTSPALCDTHLHPRNQLAGPPLITQEAEGENVVFPSG WHQHVNMVLNCFCSPCLSGAFLQLEDGSTTSPLSPLQELGWNOVAH G
6577	2271	987	SDRMASDDEFDIVIAEMLAEPYKKEEDECRKEVWTFNNTTSS TGSNGETSTSGSSTIGETEFSNRSRDRDYYRRRNSRSRSPGRQCRR SRSWDRHGSRSRSLRRDRHEDRDRHYRSPPLATGTYRHGSKSPH FRKSPVRPVPTDNLSPFEERDARTVCMOALARIPRDLDEDFPSAV OKVKEDVLIISDRNRSSRSKGIAYAVEPCISCVPLAIGLTGQRLLG VPIIIVQASQAOKNRLAAMANLCKNGCIPARLYVGSLLHNPNTED MLAGIIFEPFGKIDINVLKMDSDTGRSKGVGFITPSDCAACAR EQLNGFELAGRPMRPHVHTERLDCTITFPDGDQBDLGSAGGG RFQMLAKLAEGAGIQLPSTAAAAMAAAQQAJALQLNQAVTFLGA LNPAAITALSPALNLAQSCLQLSSLFTPOT
6578	377	1489	FSSSATMNRAPLRLATLHNIAITGASDPAQAEAEANGEKPLFLRA LQIAIJVSLWVTTSTSMVFTNKNTYLDSPSLRDTPLPFTVFTYQCL VTTLLKGSLSAIIACCAGVADPSLRLDVRARSVLPVLSVVFVIG MITPFTNLLCKLYKVGVAFYNGRSLTTVFNVLWVYVGSLLKQTTFYA LTTKVLPAVIDGSLWVDCBAGETLSQLWLGTVFGVLASLCVSLSNAI YTTKVLPAVIDGSLWVDCBAGETLSQLWLGTVFGVLASLCVSLSNAI AQLGSAHFWGMGMLGGLFCFALGVTVLQI1KFTSPLTINVSGTA KACAOVTLAVLYKEETKSFLNWNTSNNMMVLGSSAYTWRVGWEMX KTFEEPSKPKDSKESKANV
6579	2	711	RPERWVYPELRELSSAAPRNSHIRTAFGIMWVFTTSSSVNNSAT IYMDDKDYRNEDLIKHKWPEDEIWHFHDKLSSAHVYLRLHKGGENI EDTPKEVLMDCAHLYKANSI1QGCKMNNNNVVVYTWSNLKKTADAM DVGQLGFLRQKDVKLVIIVBKVNNEILNRLREKTVRFPFDLAAEK ECHDRREERNEKKAKQEMKIKREKEEMKKRRENDELRSYSSLMKV ENMASNODGNDSDDEFM
6580	62	1571	LVALKWNKPKGTNIPAPQSPVPGCAASGVWIMKLVGLGHPVLPGP RPDQHQVGPMLMVKEEKKEKQKYLPSLEMFTQFRQHPTDHTG PREALSLQRLVLCCEWLRLPEIHTKBRQIILELLWQFLCILQPHLQ ANVQHHCPESAREAVTILDELERELLEPFGHQVSTPNQGKQVME KISSGSGTAKESPSSMNPQQLPETSCHKYESGQPLGQYIQLQSGEQQEPA QDPRKVRDCLRSLTQHEESEADQEQKGSAAECLKGDIISVLIANKPE ASLEROCVQNLENKEGTKPKPLQEAQGSKKEPTKPTPGERRYI

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			CAECKAFASNSNLTHHRRHTHGEKPYVTCGKAGFASHSSNLTLHYTRHLWDRPVCCKOGKAQFQSSDILHQRMHTRAPYQVCDGKAFSGRGSLLIRHHLHTGEKPYVQCNECQGSFSQHAGLSHQRHLTGEKPYVCKECGRANFHSSNFNKHRRHTGEKPYVWCHGCGTKCSKSNLSKHQRVHTGEAP
6581	228	476	RFLKCLSLSTMWASNTTASLAAQKLVWELKMEAMIDRKVSKAADLMAYCEAHAKEDPLLTPTVPASENPFEEKKFFCAIL
6582	1428	718	CFTTKTHCSPSVSPYSPSPLVWKLKEKESLLENEQGVWHTTSFINQHPILFWTLWVYFRDLPLPSNLPLGLLJISHECNGVQLPLSLSQSDEKLVYLQQLWDWNLNJLHQBPEPHPLVYWSWRNPNSKESSLSSPEQESTLVTIRQIOJHNNVLKPINLLSQSCQMPK3MKRQRSLYRKEILFLSLWVSLGRENIIDIAPDNETYQJAYNSLSSSLLSRQLKDAPDASAVWCRKCPALI
6583	487	41	RIFSMHTSGRLRWCTWRPATLWASASLRIGLSSMHPSDPRSIISLPISMMIISPLSPNTRGILSTPALFRSPDSSECPTRCPRLILWRCRAPLRSPPSLGHLLJVLJLHSPLVWHTHNGKEVILQLWVRSRSGTGPACSQAGGAGAQGGNCIF
6584	189	1750	PLFMALQGPSSQNVTEYVVRVPENTTAKVNNIMAFNAKDVNFATWNQARLERDLNSNKKYIQQERMPESGAGSEFNRKLRBARRCKYGIVLKQFQKQDQDQDEEEZEKKERKGRKASLHLRHDLEDMESSDADASDAGEBGRGRVAKKKAKPLAKGGRKKKKKDFDDEAFEDSDIDGDFGVEVDYMSIDSQSSQEPESKAKAPQOEGPKVGDEDSDESSSEEEKCPPEEKEREEKKAPKTQKPKRERREKSSFEEDDSSEKSIDSEASAAFMKAKKXTPKRRERKPCSCSRSQNURPGTGSAEGSTSTSLRAASKLBOQKRSBMPAAERLILTGTGQSQSLGKSTPOPSTGKTTNTGQDVOU'CEADAVREYLTRPMTTKEILKKPOTKTTGSSQCTVNUVLAQILKELNPERMINDOMHPSLKE
6585	3	1678	QPIENSRIIDFFVGDPEPAEASCSVLSHGKHAJUADSDRFDASDQHQHNEKQRAAQKADVLITGAGNPVQGDKLNWVITGPRGPPLVQDVVFIDEMAHFDRRIPERVVVHAAGAGAFGYPEVTHDTCYKSKAVVFBIGKEKTPVIAFRSTVQAGESGSAITVDRDPRGAFVYFTEDGDNNDLVGNNTPIFIRDILIPPSFIHSQERNPQHKLKDPMVWDVMSLRLRPESLHQVSLEPSSERCPIDGHRHMNGMIGSHFTKLVNANGAVYCKPHIKTDQG14NLSVELDARLSQEDPQYGIREDVQKQYPSWTFPICQMVMTNQAEITFPNPFOLTKVNPFKCYPLIPVKGVLWLRNPVNYFAWEQIAFDPSMMPGPLEASFDKMLQRGKQHTRRIRLGHNLYHIPWNCPCYRVARVANTGRIGPMCMQNQGAPNYPWPSFGAPEQQPSALEHSIQYSGEVRRFNTANDDNVITQWVLPNLTBEQRKRLCERLAGHLQDQFIIQKKAVNFTETVHPYQGSHIQLADKYNAAEKPKNAHIIIFTVQVCGSSHLLAAREKANL
6586	32	804	PLPEQPAESTSTMPVSGTAPANKRKKSKEMLMTGGGGQESSGLNLGKKKISVPDVMLELSLITNRRGKMFKLQRMRVEKFYBHDHPDVFSSDSMDHFUKPLPTVGGQI GTAGQGFSYSEKNSGRGSQAGGSAGQCYGSQDQOHHLGSGSAGGTTGGPAGQARGRGGAAGTAGVGE TGSGDQAGGHHGHHTWFTKTYLISPWEMVCPDPQXMLELGTDLAYGAKAELPKYKNSFNTAMIVQCYCEKASRKEKANL
6587	75	1117	RKVPSPLGKQMPCEWDGSHDLETPYQGHLWVVRIS3PQKRNPAALITYHUGVJLNHLKLQNTFPNPFEDMOMQSLTKEVYCHVDAFCQCGVQASQFPOQYCFPSMBEQMLAALPSVUQHMGFYV1G1UWVAGAGYVLAQFALIPEHILVEGLVILVNLDLPGNGKWDIAWTAKLSGLTSLPLVLSHLSFQRELWVNNTLWVOSYRQQIGNVNQAMHNMNSRDLDINRPGTVPAKTLRCPVMLWVVGONAPADEGVWVCSNKLDPPTTTFIKMADSDGGLPQTQPGKLTURAFKYLQGJGMYPSASMTLRLARSRTLSATSAVSDGSRQLPACTHSSESSSEGIVGQVNHNTMEVSC

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6588	137	501	LOLOQQLQELRINTNNYQDLSLRKNGVELTSRQVAYLDKEFISK AQAKALSKSSKAEEVEVLISNEMQLAKQHSDERFLQNTLIMA EPSFLKLCSSQELEORQNEQOLKEQAGAGAGVADJP
6589	2	1405	RPEWESAMATAFSEQRQGQQLLTAQQLDQIYLLILATCL CRLINMLGLPSYLXHLASTVAGGQFPLSYLVIFLWVLLSLSC YLVLFLPRCRHSHRGFLVTLIYLIVSMEHHMWDVTVMHWIKQA OMIVAMKAVGSLPFLDLRGWVGT/P8F9VFMGYLFGTVTGFPGW ISFHSYLOQVQGRPLCSCWLQKVARSLLAALLLCILSTTCVGPYL PPYFPLPMLGDRLLRKRRKGTMVWRVLRAYESAVSFHNSNFV GFLSEATIAITLAGAGCTTPEKUHLLPFLPKLNLPRLPSRVEM TSWNLWPMSPWLNNYYVFLHLLGTFPSAVLTYAASLPHGFSFH LGLWLLSLAPLITYVEIVLRLKLRLSACILSKRCPDPDCSHOHE LGGVRLRFLGFLAIIHFLAYLGLSLFDVDDDTTE2QGYGNAY TVKNSELLSWSHVWVTPGCN1FYRLV
6590	2177	656	VERAEVHLNLVFTPFLCKRDEYVEFLRGLGAESPTPSKSNLKN GSLSLDDEPNTQKGRGSFGISRIGSKXKGKFGVTTMEGAMLNPY GVAEGEDDFIEGEGIVVMMEDDPSVEAVSTPTPRNLAHKISIPY VDFFEDPSSERKSKKRRP1PVCDFDVERNDRAVGHFEEHRSVVA RYLEFLVLSKQFTHQDPAQLSLPIKPNKTEFLSKKRE FOEYLQKQHPSLNSQOLADFLPSNGCQEFLDKLDPVNUO KLIKPSVKLIMKMEKGKQHLEPFTFINNSCSPKPKPQFELTIL SPTSENKKLPLNDLFLNNANRAINTERQXKQHMFVMEVMTVGEVY DLYMVYGVVVQVPDWLHLLLMMGTHTRFLKTILEMDYTDYVLOCKL BOLPQEHRLVLSSLTLLRDAIPCFNTCPSLBSQKORGAKOTFEEM MNYIPDLLVKC1GEETKEYESIRLLPFGJLQQPVFLNKQLTIVLLDI V1QBLFELPENVKQEVKETSVTSNW
6591	2177	656	VERAEVHLNLVFTPFLCKRDEYVEFLRGLGAESPTPSKSNLKN GSLSLDDEPNTQKGRGSFGISRIGSKXKGKFGVTTMEGAMLNPY GVAEGEDDFIEGEGIVVMMEDDPSVEAVSTPTPRNLAHKISIPY VDFFEDPSSERKSKKRRP1PVCDFDVERNDRAVGHFEEHRSVVA RYLEFLVLSKQFTHQDPAQLSLPIKPNKTEFLSKKRE FOEYLQKQHPSLNSQOLADFLPSNGCQEFLDKLDPVNUO KLIKPSVKLIMKMEKGKQHLEPFTFINNSCSPKPKPQFELTIL SPTSENKKLPLNDLFLNNANRAINTERQXKQHMFVMEVMTVGEVY DLYMVYGVVVQVPDWLHLLLMMGTHTRFLKTILEMDYTDYVLOCKL BOLPQEHRLVLSSLTLLRDAIPCFNTCPSLBSQKORGAKOTFEEM MNYIPDLLVKC1GEETKEYESIRLLPFGJLQQPVFLNKQLTIVLLDI V1QBLFELPENVKQEVKETSVTSNW
6592	3	1861	APEFLGSTSGISGMIDANLKLICAEOROKAIAVAKFA1ATKSG DLPOVERFFKFLPLGLLGEFLRGLKFSEFLCKQVAVRNLNRM LGTDMDSDERAAVIFPDTFLTLLEGFIARVTHQFIVRTYGPGR LYLTKV1LQVECDRQVEKVFDFKPIQKDFHOPCRWVNNNLMHNS TTKEI1PREDPL1LTSLV1MNARS1LYLFLKRR1SSDFEGVDS MASEZEVKQHQK1DQLLNNCLCSTCWTQHIGLVTVMEY2FMR TVNKAVALDTYEQGQ1LTSMSVDFWVIVKWC1GRASSSS1DC1 CAMINLATTELESDFRDVLCNKLRMGPATTQDQ1RGRASSGVTSAVN IMHISLQQQKFDTGK1GSTDEANNSFLVLTUNVNEEVSCEH1STLK KTLRSDECTKLPSG1GQHQAQFDCS1LDA2LAWSKFRDQLLGQ GLETMNSTAIKPQVQWPWINSFFPSVSHU13EEEFNDY3ZANDPWQ QFLINL1EQQMAEFKSLPSPVYDLSITGLMSLVAEVEFLVWLS TFNGLQGLQDFKELRS1LAYLTWTNT1RDFRPLSQTAMATLN LERVTE1DLYMGENGSPGLTMRLLTPEAVRVLAR1DPRSEDICK LRG
6593	3	1837	BAF5AGSRRRKLJALQVGFLGLGGYCCCCRERQELVLLVLLWV RGCGGGRRGRGDRKRRRRQARQRRERPEAARQGKMDVADLWLSL PQYNIQKKEIVVRGS1V1FGEPSFWKVNKTIVWVNGTCKGEQPR

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			TTTDLSSILPLLNNWHLSPHVVYRKAATENTPVVRPDRKDLLG YLNGEASTSASIDRSAPLEIGLQLRSTQVKAADVEELAAEKPKRI KDEECVKLDKERLAARLAEGHKGKGVIVQTEQIRSLSEANWVEKLLIA IKAKINAKKKSTIKTDLDDDTITALQKRSFVAEDVWTRDVSRE RWRRTTTLTGSTGNFSKNVFAILQSVAKEERGRAPQRGPAPN AAPVPDFTLRLTQPIAAYNRKYDQERRQGKGETEGFKMGTHTH GMTLKSVTEGASAKRTQTPAAQPVDRFVPSQARPNNPKQGSRTP IIIIPPAATTSLLITMNAKDLQDILKLFVPSDEKKHQDQCQRENTEL IQQRKDQMQPGTAISVTVYVYRVDQPLKLMQDQVAVFVAVFVQO QPAPQFWQWPWLLPDSGPVDFIAKIKAFPLKHYDEVRDLPNVQKWD ITIVLLELSYUHKRHLRDPRFLRVWETLDRYMYHKSIIHLRF
6594	1	1096	EFPPGREFRGSGASPLCATVGPAALLPAATTAAMTRFLFGNSWFA DILSTIGYDNIIQHLLNNGRKNCKFEDPFKRAALIERYVQKDL NLSRKKPGCGOSEINTLKRALEFVQKQVQDNVQACHQJLAQSLRSB ARKMEEFPEQKLQKERRQKTELIMDAIHQKQSLQPKFTMDAKNRYE QKCRQDEABQAVSRSANLWNPKQQEKLVLKLTAKTSAVEDSKM AYMLHGILDKVREWSWQSHEHIAKCEAFQACRERIINFRNALM HVNQJLSQQCVTSDEMYEQVRKSLEMCSICRDYIEFYVNQRTGQI PPPAPIYENFISSQNAVPAAGKATGPNLARGLPLPJKSSFPDPQ NYSLUDYDSLHQ
6595	57	781	PLFTWSDSLDGEDGELLSLAGKRRGRNPKESVKKLSDWLYLH RYNAVYSEQECKLSSLGQTLNSLVQICNWNITARRRLPDMLRKD GKDQNQFTISRORGASDVALPQSSSPSVLAVSPAPTVLISLS VCSMPMLHSQGGKEPAFPFRGELESPKPLVPTPGSTLTLTRABA GSPTGGLNTNGPPTPQDKEFSSFCQILIVEWALQRAAEMLSQK QQPSPSLPLRHTIPILWSENQ
6596	2	1026	PLPLVWRYHGRRLRGRSRGHMAGRDAGSDGRNEBIAHAIY GEHWCVIDOCAKIFCIRISDIDDPWTCLQVLPMLPENEYPTGAP PIYQLNAPWLKGQERADLNSLSEIYIQNIGESILYLWVKIRD VLIIQKSQMTTEPQGPDVKKKTEEEEDVCECDLLQACOPESVKAQD FDISERTRTEVEERLPPIDHGIPIPTDRRSFTQAHAPVCPKQV KMVLKLYENKKIASATHNIYAYRICHEDKTFQLQDCEDUGETA AGGRLLHIMELLNVNRMWVVSURWYGGILLQDPRFKHHNNCCARN ILVERNNTINSPRESSKALGKHNKVKRDKKRNEL
6597	2	1026	PLPLVWRYHGRRLRGRSRGHMAGRDAGSDGRNEBIAHAIY GEHWCVIDOCAKIFCIRISDIDDPWTCLQVLPMLPENEYPTGAP PIYQLNAPWLKGQERADLNSLSEIYIQNIGESILYLWVKIRD VLIIQKSQMTTEPQGPDVKKKTEEEEDVCECDLLQACOPESVKAQD FDISERTRTEVEERLPPIDHGIPIPTDRRSFTQAHAPVCPKQV KMVLKLYENKKIASATHNIYAYRICHEDKTFQLQDCEDUGETA AGGRLLHIMELLNVNRMWVVSURWYGGILLQDPRFKHHNNCCARN ILVERNNTINSPRESSKALGKHNKVKRDKKRNEL
6598	1099	419	PRVRWATWMMFEWPMQYRFFPFTLQPVNDTRQKOLAAWCSL VLSFCRLIYQKSSMTVMQAESPLFNNVVKLQRKLPVEISIQVLEE LRKKGNSLWLIQDKSKSFLIMWRRPEEWQKLIYQWVSRSGQNSV FTLYELTINGEDTEDEPHOLDEATLRLRALQALQOQHEKHAEIITVS DGPGRQVLLIAGTCPLLILTSHLGRAFKRQWQCPPKTGSVTPPD SKGLS
6599	164	1593	KNALTTLFKVIDENDQDRYIKKLAKXWAQSVSUSAWPEKGRHTRR MMVEVAADIVKQLGGSVVELDYGKQKLPGDPEIPLPILLGRGS DPKQKUTVCIYGHLDVQPAALDGDGSSEPTLTWERDGKLHGRGSTT DKQGPVAGHINALEATQKIGQ81LWNVWVFCI2LGMEEGSGSEGLDS LIIPARKUTTPFKDUDVYVCISDNYWLGKKKPCTGYLRGJCYYFIE VCSNSKDLHSGVYGGSSHEANTDILLLMGSLWDKRGKQHJLIPGIN RAIAAVATTEEKKLYDIDDFDIEEFARDVGAQJILHSHKKHDIDMIH RWRYPSLSSLHGIRGAFGSGSGAKTVEIPRKEVGKFSIRLVPNMTPE

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			VVGGBQIVSITYLTKFPAELRSRNPNEPKVYKHHGGKPWVSDFSHPHYL AGRRAMKTVFGEVFPDTREGSISPVTLTQEATGNVNVLPPGVS ADDGAHSQNEKLNRNYYIECTHMLAAVLYEVSSQLD
6600	2	934	PGRLFRVVAAMESAGLQLQRLRLLPFDTERECLQ-VLRAP AALSALCDLALSADAPQIQRQFAAVLTRRKINTRNRRLAQFQRS LKSLLTALQRETEKCVSLSIQLSATIRKEGLMELAWPOLLQL QHQTISPISPERRMGLLSSLVVVTSRPPEAFQPHRELLRLLNET LGEGVSPOLLFSPLTSLTITMMPAYLSTEDVPLARMLVPKLIMAMO TLPIDEAKACALELDELLESSEVPPVTPYLSVEVLTCPLEVAR NVALGNPAIRRIRLCCCLTFLVKVSKALLKRNLLATLAHDPFPHC GC
6601	529	1420	PRAALARAPPVAVRIPRDRRAATAEPRGGENTILQGPFLFHNLIE KTTWDPRBANKNQULHNWHNLMHDAVSVSTPVQPHASWQSPNLU NHQHQCMAPSTLSQNEPTQNPQAGLMSMNPNAJTTQQQQQQQL FLQRQIMERBRIRMQRQEELMRQEALCRQLPMAETLAPVQAV NPPTPTPDMSITNNNSDFPFLNGGPTHSKRSESTMDSGLQLCYCYS PITPPEDFLSHVNDEMDGTGQENAGQTMMNINPQCTRFDPFLDCBLPGT NVDLGTLESSEDLIPLPNHDVE SALNKESPFPLPSL
6602	127	617	LIDDFPALFPLKFVLAQTFPLGPQAKPSLTSMTQSLSIREVKANTKANF ERVLGKTIILSAAPCKVICBMRVEEHTNIAQTLHGGIATATLVD NISTMALLVLSRQGAGVGSVDMNTYIMSPAKLGEDIVITAHVILQ GKTLAFTSDLTNKATQTELIAQGHHTKSHLN
6603	79	660	FPGVQSLAABTFLGHLPLFLHRGLASSRLMDLQLLQFLAFLPVII SGMGATGTTLRTSLDPSLEIYKMDPFWVKRREQLLJALKLNQALQINDI HOOYKLILLVNLKGLFKVLDLSRTVTLAADDVLPGDPPQDPDKLK AFSHVVENTAATFGFQDVUFLRPFPRIVHYYFDHNSNNMLLWRGCS NQTVGVFQGPBHSPLSLN
6604	3	688	TSTAORQGRGERSMSFRRGGGGRRGGPNRGGGGCENRGGSNSM-FRGGG GGGGGGNFRGGGRGGFGRGGGRGGFKNGQDGDPFPERVUFLGEL HPCEDDIVCKCTTDENVPVFNAPVYLENKEQITGKVDKQIYFGQLR DFYFVSLSENKKMASFKLQLKFYIDPYK1LPLQRLPLPFPGEK GPPRGGRGGRGGGGCGGGGRGGGGFRRGGGRGGGGFRRGGGRGG GFFERGRH
6605	7	848	SGSBERQAWDAGVGLUDCHICLISAPDFDRDLDLWLEKAKANVV ALAVAVSHHSCGEPEKIMQLSERVINGFVLPCLGQVHPVQGIPPEQDR SFTVLDLVALPFIENYKDRLAIGVQGVLQDPSFPRFAGTQFQGKEE QRQVULIRQJQLAKRLNLPVNVSRSASGRTINLLOEQQAQKVL HAFDQGKLEKRSVNMEDVVRAGYFSPVPPS1RKQPLPILTSIC LETDSPALPGEFQVNEPWNMSISARYLIAQVKQGIVSEVEVTT QNALLFLPKLRLH
6606	2	1682	FVIEKPRAEVANLSAHSASAPIQDAVILKRLSLLEDIVYRQLNLS KSLGLIGGYGRRGGKGGLPATLSPAAEEKAQGPHEKYGYNYSLSE KISLDRSIPDYPPTKCKELKYSKDLQKQISITIPIFVNEALSVIR SVHSASVNHPTTHLKSILIVDNDSDERILKVPLESEYYHKKYPPGL VKVNRKQHRLAIIKQKAVTGVGIVGIVFOAHVRFTAQWAP VLSRQJQNEKRVILPIDIHQDNFEVORVYENSAHAYWSLWICM YISPPKDWDAQDPSLPIRTAMIGCSFVNRKFFGRIGLDPLG MDVYGGENIELOKIVWAGGSMVLPSCPRVVAIHLKQKPVNSNI GIFTYTRNLARVAVWMDYKHSVYIAMIWUPLNPGIDIGDVSER RALKSLCKNFKNPQHLYHVPEMRYIINTTVAEGLRINKKADKVC DQDGLPENHHTLQYPCWQHOPOLARITKEFLHQLGQALGTTT DTRCLVDNSKSRL-PQIACDDEVKVSLYKRNNTYQNGAQMNGKTG RCIIEVNRHGLAGIDILILRSCTGQRWTINNSIK
6607	137	986	VPAACGILKEARSLSASPLPRLTNTKLQASCRLSFSPPIQSRQTT GISFOGRRGGAGGPVGPTTCTVPAAMGAVNGTTSQLTQCRQRPSKD KIEDELMTMVCHRPLEGQLEAQTNFTKRELQVLYRGFKNECP

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			SGVNVNEDTTFQIYIAQFPFPHGDASTAYAHVIFNAFDTITQIGSVKRFEDFVIALSLLRLRGTIVHEKLAKWTFNLYDINKDCYDINQSEEMDDIDVKA IYMMGCKYTYPTVLPKEDETDPRQHVDFVFFQKMDNQKNDGIVTLPDEFLE SCGEEDNNMRSQLOFQNV
6608	224	1140	RPCFSSSPFGCPLRSYPMILQHAVLPPPKQPSFSPPNSVATRS TGTLQLPQKPKPQEAISPLAPEGELSKC3QDCALECLCKPLY CKLCKHITLNSAOAACAHYOGHOKKLKRNYYAANCSPARMNS VVEPAATPVVPVPPOMGSFKPGKGWVILATENDYCKLCAFSFSSP AVAAQAHYOGKNIAKRHLLEAQSNSFSSESSSLQQRARRKEGNEF KMPMPHRNMYTVCNNSQGPYFNRSRQRIPRELLAMCVTPSQGYFC SMCNGVAGAEEMFRCHLESKOHKSKVSEYRNRMEMLNMGYV
6609	1	443	FRLKCSRFLFVAGGLLAGLSESRVSEFAPEQQLSATLTLSW3AVT PAAEBCGNFOLSPAPERGPPLASPVRAAPAPCPRAEBSNLNTKIS PATNOAAQEEKGKGAGNVKKAAEBBBBBIDIDLTAPESTKAALAC GKFRRRPQKRKXQDPS
6610	319	881	GRKSLCRNHLIPIRPFPLTYEDMMMNQCTXANGCGL-RFPQPAIHLI YESEIKGKIRQRIMPVRNFSKPSDCTRAEQLRPRKHSYI8Q VSLRLQESLKLFSFLRGYLQSGSLAETNEQIQRTEITDIPBEDLNKL DQEKLAKRK5 IMDSLFEENQKKKDNPNFVYDIEVEFPPQDDQLQS CGWDYTSDADF
6611	978	212	FGCGSAGASRVWNLPALEHLAMG3TSSSEGRSVFVGUDEEERVRV LQQVRLSERENVNMRMEPSSPPAPTSSTPQDQGNLRPKHES LPKRSRSLQQQPSGMKKGVKWVQEHEAIIQDKLQLVQGAVERBAA TKHKLASLPLTGBGSISHEBKQSVRLARELESRJAELRRDFTYK EQLEBIEERKNAAMYLLSSEQPHIEASAKHESTIKPFRVFEVFCGSL QACILHCYDRRPHVFLLCSDLVKAYRCVSAHKH
6612	1724	992	VSHASLASLKSTQGQFQPRRAAASQAGAGTGQGSSGGAGGSKM STEKAQVDSDPSTGSSGSDGDORESVQPEROVOZKPKKEGKI SSKTTAAKLSTSAAKRIQKRLAEITLDDPPNCACGPKGNINYEWRS TILGPQGSVVBQGVFLDITFSPDVFPKPXPKVFRTHVJHCHNIN SGQVICLILKDNRPALATISKVLLSICSLLTDCCNPDPLVGSI ATYQVMTWRAEDHDMARHWTKXAT
6613	130	748	EELJLSNHPMEQSNHDFRVAVGAGGVGKXSSLLRFVQHGTFBVYI PTV/EDTYRCVQVISCKSICLQLQTDTTGHSHOPFMORLISIKGHA FILVVSITISRSQLESLKPLYBQICEIKGVDVSEISIPMLVJGNKCDSE SPDRRVQSSHEAALLRWNCAATMITSALKLHNVKELPQHLLNLRE KRTVTSLQIDGKSKQQKUKEKLGLHGKCVIM
6614	3	1191	SSAABASLQIDGKSKQQKUKEKLGLHGKCVIM DGRVREKEPMWRVLFPTGTCFARBALALHAARENKEEBELDILKLS VVTMLPSPSTGSPGKLPVQZAVQSOQLPVIEWPDVGSVPGVVAASF GRILLNEALILKPYGILVNWPCLPWRNGKPAVVIHTVJHGDTVT GVTIQCIRPKRFDVG2LKLQETVPPVPKSTAKELRAVLBRLGAN MILSVLKNLPELSLNQGRQQPMBGATYAPKISAGTSCCKIWEBCOTS EQIIFRLYPAIGNIIIPQTINNANTIKLLDLVSEVNSVLAIDPKLT GQALIPGSTVYHJKOSQILLVYCKQGWIGVRSVILKKSLTATDHY NGYLHPWYOKNSQAOQPSQCRPQTJRLPTKIKKKQTKVAMQOCIE
6615	832	35	GRVAGAGASANSLPGWVRAFLPREHPSBLIAJTDKARVCLTGTGHE LPCRPELPELQVYIPTGKXVQYLRVLRASPAPDFYIPEHIVPSTKPNPH QLFCKLJLRLHINCKPHEPVHLRHTQGRYRQYRALCKYECQKGVYE VPACLVHRRREREDQMDGDGPRPRAEPWEPITSSDGGASASDDSK TDLYPPELFLTRKDLGSTEDGGQDNEFLTDKEDEKJCKPRAEKTAD EGRRETTVTRGLWVQKRGKKQQLGSLKKKPFKSHRKPKSP35CKQS G
6616	347	1886	LLPPCQGARPLSSPPHASEDNLFPLFWNCILCAFPHPSQPQLQYD VWPLLWLVITOIPAPRHIJNRRPFSRSGRLDSFGSGLSTPS1CRS

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			FAANVKMAPPKGLIVPAVLDLISLPLINLPFILQPSPPPPSSP PPQPWHC7CRGLVLDSFNKGLERTIRDNFQGNTTAWEENLSKY KDSETRIVEVLEGVCSKSDFECHRLL6LSSELVESWVFHKQGEA PDLFQWLCSDSLKLCPAGTFGPSCLPQCGTTERPCGVCYGCBCG EGTRGGSGHCDPQAGYGGSEACQGCGOLGYGFRAENASHVLCACF GFCARCSGFPEESENCLQCKRGWALHNCVKD1DEBCGTGAGNCAAD QFCVWTBGSYECRDCAKACLGCMGNGPGRCKKC PGVQYQVGSKC LDVDECETEVCVPGENKQCNTEGGYRCICAEQYVQNEGICVKEQ IPESAGFFSNTEDELVULQOMFG0IIICLATAKLAQSLVLFVTA IFIGAVAAANTYQJLSESRDVERLLEGPIKGR			
6617	118	673	VMMAMWQVSLLLEBLERLQCPICLLEVFKESPLMLQCCHSYCKRCGLVS LSYHLIDTKVRCPCMWCQAVDGSSSLPNSLWIAVLEALRLPQDFEP KVCVHRRNPLSLFCEKDDDELICLQGLQGLGSQHHPWPTIVSTCS RNKEELAALPSELKQEQKQKVDELLAKLVENVRTRIDGAPSCLPC LGPATPTFL			
6618	548	136	DGKVARRAAMSAPPAFQNDIYPLVSAFRATTAESPKVSLNTOCR NVPKMTSERSRIPCLPSSAAAAGTGKKQQGEGRAMATLDRKVFPSPB AFLGKFWMSWIDAALKHCSDNVDLEAGKQGKSGREVMRMLNKA WKYGT			
6619	246	842	FASSEVLTAAWMPLLNLINCIVAVSQNMIGKNGDLPRPPLRNEPR YTORMTTSSVEQKQLVIMGRKTWFSIPEKNRPLKDRINLVLSS RELKEPQGAHLLARSLLDDALKLTERPELANKVUMIVWGGSSV YKEAMNHGHLLKLFTRIMQDFSDSTFFSEIDLEKYLKLLPYEPYG ILSDVOCBKHKHYKFVECEKDI			
6620	3	1879	NSRVDDEFAVARAARAAARAAQESALGAYGSFVDYMSITSPFLPPE DEPAAPAPLURGRKDEDADFGLDPDTDPSFLKSARLQLRPLSSSE MGSQDGSPLURTRKOPFSAMAEEAECSCRQGLTVTIVACLTFTAG VTVLALMVOIYQPGPQIPOIPOQAGVTTDAPCTSLGIEVLSKOGGSV DAAAVAALCQLGIVAPHSSGLQGGGVMVLHDHIRRNSHLDFRS APGALARRETQRSMETKPGPLLGVGPQMVQZLMEAHQYLQYRDLWS QVLAFAVVAQADGPNVTIDLLARALAEQPLRNPQSERPRETFLPSG RPLPLPGSLHRPDLAELVLDVLGTSGPAAFYAGCNLTLVWVAEAQ HAGGVITEEDTSNY3ALVBEKPVCGVYRGLHLVLSPPPFHTGPALI SALNILEBGPNTLSWRSQPAIHWVASTLHLALASRQDGDVYD SITTESMMDLKSVEAYLQRGHINDSCAAPLAPPLFLDPELDGAPT AAQQLLIMSPDFIVAMVSSLNQPFQGSLITTPVQVAFAGLQGTYLLA LGANGAARGRLSGLTQVRPTMIAFFSREPSQCLCDCRCLSYLWLW SI PHANNNG			
6621	1	662	VOGITSYQQLARERKEKSRDAAARSRQKENEFYBLAKLPLP AAITSLQDQKASIIRLITISYLMKMRDFANQDPPWNLRWBQPPPNT SVKVICQAORRSPSALAEVFEAHLSHILQSLDGYVFALNCGS KFLYISETVSIVYLGLSQVELTGSSVFDYVHGDHIVEMARQLGK LP_PGRQWLSQGTAEODGASSASSSSOSET#BPVCFCPASSDQFL 6622	2	319	GRASGQEEETEAAGGPERARPMMEANNNPKREPEPORSLRKIVK15GN AEVGKSCIIKRYCEKRFVSKYLATIGIDYGVTKVHVDRDEIKVN IFDMAGHDPFFYEVRFKP
6623	1886	189	KALFERVKKFRLIVHEEGDILYAMYVRCITVLEVKIFLILLIAYNSA LVSFKVQFTVDCNUVDIQDMTGYKNFSNCNHTMAHLPSKLFSCYLCF VSIFYGLTCCLYTLYWMLFYSLREYESPBYXRVQETGFDVVKNDP AFMLFMDIQDYPLSKRPAVFLSEVSRNKQKQ1LNLLNNEWTDFKL RQKLQ1NAAHNRLELPLIMLNSGLPDTVPEITELQSKLEI1IKNV IPAYTAQLDNQELS1HQCSCVKHSAAL5FLKEN1KLVLSCPKFD MRELPFWWYGLRNRLSELYLVGSLSH1DSRN1VLESLRDLKSLKI LS1KSNVS1SK1PQAVDVSHLQKMC1HNDG1KYLMLNNLKKM1N LTELELVBHCDLERIPHAVFSSL1S1Q2ELD1KENN1K51SERIVSFQ			

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			HILRKLTIVLKLWENNSITTYIPENIKKLUISLELKLSVSFSHNKIVBVLPSH LPFLCNKIRLYLILSYNDIRFIPPEIGVQLSOLQFSTTONKVESLPL DELYFCKKLTKLKGKNSLSQLSPKIQGNLFLSVDLGLVVEADALFETLPSDVREQMKT
6624	218	1786	GSRRRGGGTSRIPAVSTHVAPGRSLVRPFASGLARLRSVRAKGCG RPRPSGLAHLSQETSWSWAKRSGRACLGDPGEILRSVLMKCTA REWLRLRTTVLPMARAIAPMVVNPNTALLKEKKLEKYMDDDEGWIA KQRGKRAITTDNDWMSLDLIMHNKLRQSQVPTASNNHEYWWJWVELE RSASWAESLCEMLHEHGPASLLPQIGONLIGAWHRYRPPFTFVQSVW YDEVKCDSFYPYFEEBCNPFRCGSPVTCWHTYTQVVAHYGNGRNLIGC A1NLCHNNMIMGQIWPKAVLVCNYSFKGONWGHAPYKHKGRPC ACPGLDSFOGGCRENLCKE3GSDRYYFPESTERNEIERQSQSVHD HVRTRGDDDSRSNEVISAQCMQSIVSCEVPLRQDCCKGTCTNRYEC PAGCILDSFAKVKSNSRMQITIGKYGQANSFITSVKTVQAVTCETTVE QGRKHVFVTKSNRMQITIGKYGQANSFITSVKTVQAVTCETTVE OLCPFFHKAAPSHCIPRVCPRKLAYASKSTLCSNCNNSWNSLF
6625	1124	543	PGPRGGGGSLISTKALGHSSRGLGMPPGSSSGTGGVPTAFLRPP GPILVPSTSIDNLLKNTVIELFKLALRPHGRLLTLDVGLDEICCW SFYQGQRKLAIEVCCITSIVYATEKKVTXPEFPEARIFESTNLILI YETPRQGPDLAIIAGAOGAGGAGRCGEDERENHRMRVRIHVR HITDDEDRPQGQVTFD
6626	3	1498	SAVEFVYIDRPHLILGIVSEVFCLSLRSRSDATNESITACHLHALQAL JDVPWPWRSSKGSDQSGSIELLNVHLRVLTRESPSSQIQLASLEV RQIIICANQEHHKKRRAAEVDDGAAEKEIILPEFGEKGDTQGLVLP GKSLVPAILELVCVCLVRQPLSENLKLTGSPGVQKATKPLILLED GSRVLVAALVILSELPAVCSPEGISISLPTILYIITIGVLTRETAV KJPGQGLSSTVAASILQALKGQILSSPMAREAKSTLSDRLLSAL TTILDWDNPVDETHEOELDEVSLLTATITVLTSTPVEVVTCILO KRCIDKFKAIEIKDPPVQVQKTYQQLHSPFPOYKQVTPYPIVS IASCIMERKLOIDKRPENTABLEEFOBICVQLTELTVTAEEHH RAOLVACILYIILISFLDENSLSGATSITMNRNLFDALQNLQMKG POYSSVFSKLIVASPLSKARLRAIAKONQKPSVSKYKIPVITKGS IGKNSSLQIISPE
6627	1	697	GIPHLSSHMTWITGPGAVATTEGEAEPERSFGCSPVYDITGKVMILL GDCGVGKTCFCIQLQFDQAFALPSCTTIAVQGDFRNKVTVDGCRV KLOQWDTAQZQUNRSVTHAYTQDQALLLIDTQNSCFDNIRIA WLTINETAQDGVIMLIGNKADMSSSERVISEDGETLAREYGV PFLETSARTQNNVVELALIAKELLYRAGHQJADEPSPQKIRDYVE SQKRRSSCSFP
6628	1	1861	QCACEFGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG KEFGDLSLSEILQIJKESQQQHQGLRHQDHPYRGYCQCSRQRRLR KTLNFKMGNRHRHKPTGKVTTEELLTDNNYLLVIMDABRWSYAM QLKQEANTEPRFRPHLRLRSLRKAVKHAELERLERLCENRDAKTY LEAQAYTAYLQSMGLRFHBEHQEWKARIAEAFNICKTITYEKIASAFTT FQAVLYNQVRVERISPNTRYCAVNIGDOSAINEILMQMRLSOGSTE GLLAEKELALITYQTPTAKCAATMSBVEWGRGTPVVKDVKVLFIL QGDADNEAALIYQVARSEBTKEELFESMLESRCEDAIQVVRRELLPKDQ KQRDYIILEGPQKVNRLQYIHLHSYLTYIQLQSTAKRNEHKGQALQ RALLQOOPEDDSKRSRSPRQDLDLRLVDTIILQNLIVELLQLPQLEED KAFOKKIGLKLTVFKAYRCCFTAQSYYAKWKGSEALVLYDVRVLIK YANEVNSAGAKFQKNSLKDQDPDVQELITQVRSERKCSLQVANLVA NDAHQETSSQVKQNKPLVERFETFCIDPSLVTQKQANLVHFPDP GFQPIPCKPLPFDLALNHVAFFPLEDKLQGKQTKRSQTYIGKGF GPRS
6629	5653	4549	GATPLGLSVGGRTGKMDATLTLTYDILRFAEFEDFPETESEPVWILG RKYSITFEKDEILSDVASRLLWETYRNPFAIOTGPTSDTGWC

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			MRLCQGQMFIAQALVCRHLGRDNEWTRKQQKQDVFYFSLVNAFLIDR KDSYISIHOQIAQMGVEBKSXQIYQWGVPAVQLKLARWFIDV SIΛVHAIMNTVVMEKIRLTCITSPVCAAGATPASDRHDCHNGP PAGAEVNTPSPPWRPLVLILPGLTLDINASAYETVQHGFMM PQSLGVIGKGPNSAHTYVQWGRLLDPTDHPVAPETPDGCFPI PDESFHSHQPPCRMSIAELDPSIAVVRGGHLSQTQAFGEACCLGM THXTGPFLPFPSMLG
6630	2	423	LVCQCGIIRRHSANGAWA/PGRHVSRSRALYKRVLQHRLVPPLDKS LDGQYVFRDEFRHKRTVGSDEAQRLFQEWTAVALLQANENRQ NSTKACGTGFTPLPEEKNDLFRDEQICGQLQEMRQATPKNQFSI SISHMPKF
6631	2	423	LVCQCGIIRRHSANGAWA/PGRHVSRSRALYKRVLQHRLVPPLDKS LDGQYVFRDEFRHKRTVGSDEAQRLFQEWTAVALLQANENRQ NSTKACGTGFTPLPEEKNDLFRDEQICGQLQEMRQATPKNQFSI SISHMPKF
6632	1273	588	WSISHGCTQHGA/LAFAAAAMAKAVVQVTHASATVQHGEGQKISAIGC GIVCL/GISLEDQYKELEHM/WRKILNLRFLFEDSKSGHNSKSVMD KQVEILCQVQFTLOCVLKQKGPKDFHFLAMPQAGFYNPSFLQCL RKRITYRELLKDGKFGMAYQMVHICNDGPVTEILESPAPGTATSD KQLSKLSEKQQRERKTRKPAQGSESSKERTRTPEKDRASSAAGB DVSSSEREP
6633	1145	617	ANGHRREVPTVTEIIQQLQVNGIITPATIPLSGLPGWGVLSHNPMDY ANGAMGLDAJITOLNQNFENTPQPPADKEKIQTLALPWTVEEHN GSGGLECPVKVCDNQALYERVQLPCMCNHLFWDCIPVWQLEHGDSCP VCRKSLTGQNTANPGLTGQVFSQSSSSSSSSSSPENNATNSN
6634	1	1134	CGGIPRGKSGCPRERLILRULCQLRMLTIESSLFLWSLVYC GLCASIHLLKLLSLZKGPAQTFPRPARHEHPCALSLGSGLCG YVRIKQDGLRFHVHAGRGRKPLMLLHQFPEWYVRYULRFK KSEYTRVVALDLRQYGETADP IHRNQYLDCI1TD1KDLSDLGY SKRCVLPQHDDNGMIAWLAIACPYRMVVKLIVINPNTPHNVTEYI LRMHQLKLSSYYQQFQIPWPFPEMFSINDKFVULKHLSHTG TGRKGQCLTDELEAYAIVTVEQAGALSPGIVXRNHSPLCKLPG HMVTTPLLWENNDAPMEVNEVTRFVYNNYFRLTLESEAH NLQQDPDQDVNKEKLTFLKETRKK
6635	1420	470	ENRAGQQLASLNLTRWALRPLFESQPHFQPSFARVWPAPSSSG GRGGAPRFPPLSYLRLDGRALPAFFVYHLGGSKTNFSNIA ILAQGQTRVRLTVYDARHNGDHSFSPDSYEIMQLQDQLLPOLG LIVPCVVGHSNGGKCTAMILALQRLPELVERLIAVDISPVESTGV HSFATYVAAMARAINIADLPERSRPAKLAQDLSQSSV1CQWAVRHL LTLNLUEDFGRVWRVNLDALTOHDLKILIAFQDQRSYQSLGTFPL LQCGSQVPHDPSHWEIPMLRFPQAJMTQVTPNAGHMIHADRQPDFI AAIAGFLV
6636	1514	1801	SCMFHSDKDSHFOAVFVQHKKKRLLRERAPMWAQFQDPLRHHPAE QP1VRQCLQRPLCCGVLPGVQQQPLPSLGFLVPSHSDPQGCRVD TXKCNVTF
6637	2	1501	CSSSPCPFHGICVLQAGS YKQCALAGYTGQRCENLLEAGKS KI KASEDLSVLLERINCNSDPPGVNQYK1TQPGPGLNHRKAGLKT VVSFCNNSYVLSLGNRERKTCQONQEWQSQKPCIKACRFK1ST LVRERVLVPMQVSRETIPHOLYSNAAFS QKQKLAQPTKHPKALP DPLMPQYQHLLTQLOXECISF PYYRRLS SRCTRLVTKGNNSGRAPS CIPICLSSKCIINAPTKQGLRNPWMAA1YRRTS7VHDGCKKHNAGA FLVFCGALVNERFVVAAHCYVLDLKVMTK1ADLKVLVKGKPYV DDEDEKETKQTSQLSIATI1PNHYPPII LDADIALYVQHDFKQDMLKARIS TTVQVICLAAASRDSTS PQBSHITVQGVGNVWLAJDRS PGFKNDL TSRGVWSVWDSSLLCRRQEDHGPVTSVDMTCASEWPTAPSIC TATTCGGLAANSFPGRASPEPRWLMGLVWSN5YDTC5HSLRSTAF

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6638	1391	224	TKVLPFKDWIERNMKG GQIPQAGGKNAAWWIRAALECECRERWGFESTAVLGRRTTFLGPWPM FNSDIDLSNLRLRSYRSFDRYRRRAEQQEAQPHNRTTYREYFG SKTDPEKEKIDIGLPPVKSRSTQQLLERKQAIQEIRANVEEERRA RLLTASVPLDAVRABWEETCGYIYHKKRQLAEYGLYGLDGFATF VPRPMLPVAYAVAGEDDLMPVYLGRENVIYVTEAQAPEVTTYEEQ SLMTLLLTSLDGHILEPDABYLHMLLTNPIGNRVAEGQVTCYFL PPPFARGSSIEIRIAFLPKDQDPIFSECARSPCYQLAQRTTR TFDFYKHKMTEITPAVLSSFFQCRCMDDSDVTTIHFQHLDMRPVEFE FVRRPDPYHEKQKRFRHQRPLRYLDYRDHSHEPRTYGYI
6639	2046	1268	IQCFIMDGGDGNLIIKKRKFVSEAELEERRRKERQEDEEVKRPPE DPECPCEEVDPYPSLSEYRLQEQKQRKQWEEYBQPKFNMWRGLD EDETNEDLEVSRSRQELIEKCORREESLKELKNSYRNLLKVGILSCB NKEVEKKKLTVKPIETENKFSQAKLLAGAVKHKSSESGNSVSKRL KPDPEDDDKNQEPSSCSKLGNTSLSGPSSHCPSSAWACIGILPCL GAYSGSSDSESSSEGT_NATGKVIVSSEIERTNTLEAP
6640	117	1043	VLEPPDVNSWAESEDSELRLVLUKGTKGSKTSANTTILGELFIDS RIAAQAVTKWCQKASREWQGRLLLVDTGFLDFTKESLDTTCKE ISRCIISCCPGPHAVLVLLLGRYTSEBQKVALIKAVFQKSGAM HWVLLATRKEEELQSFDIADADGMGJIVEKCCNCNNCCAFS NSKRTKIAKEEKSQVLELVEIERNVQNCNGAYSFDDUJDTTEER LQKREERVLRKIYTDOLNEEIKLVEEDZHKSEKKEIKEIILKLL YDEKEKNREREEARNIFKDVFNRIWQHSEIINHPLSKPLAGKCYSS
6641	1	894	SAAVGRSEVRGCAPEPFLRSARRMDPVGTDIPLVLAWS ASAPPFRSALSCTVEGAPASFGKSPQSGYFLCLSSLSOLE NPQSENBLDQIIVDVKSPSLPLQGFSVCDMSKSASVKKRCMV KLLPLQGATDIAVFDVPLSGKTTKTVGYLRIGDMFPAIFIWKAK APRDPVKCPQRLSRDMLSLDSDAQSPQKGULLERTSRLGRSAS TLRRNDSTYEASSLYG1SAMGVPTLHPRFEGKCSPLAFSAP QDLTILKSLADIEEYNYGFGVVEKTAARLPSPSVS
6642	22	1296	PLEREMMTPNDPQAGDITFELERIAADAEASPPNAPGSGTE IRKAMYTQDYZMLGFTNHINPANDPQTQTPGMILLDNLYLAKV HQDTYIIRVLENSREDYHECIPGRSAIILCWMLCILQVCELD NEGRNDYVIFMEPTHDRAPELPGICQLNLNTKWEHBTARDIN KWMQVVREQITRALSISKPNLSDQFKSKLSLSYSSEILRLRQSER NSQDFQSPTIPELEKIQPEIILKQORLNRLQGDDNNPQEVT7FESLQEKIPV ADTKAIVGKDCHPMKESALQKNEVLEBLAFELAQN IAPNKYIYCIIWIDGLSALLGKMDMSSELTSLSDLTLSMEMKMLR LLENNIQCIPAEPPFKEPSVSDFVYHYO
6643	3049	2265	SLHAPAGGTRGRGLAABKEPMLTRKIKLWDNIAHTTRCLCGSYLI DATTVTECLHTLHRSCLVKEYLEENNTCPCTCRVIIHQSHPLYIG HDTREMDIVYVYLVPGLQOBAAKKMKGREFYIHLGMGEVPGIIGKGETC SAKQHLDSHWNNGRTKADDSSNKREAEEKPBEDNDYHRSDEGVSI CLECRNSKSLGLRKMRKWSRCSAOATVHLIJKPFIJAKKLNLSSPNEL DILCNEBILGKDHTLKFVVT2M6FKAPELLLHYRKMDLL
6644	1489	290	FPLATEPREGSSPVQVLVSSSTMSTVTLPLFLNLLGSMYIYLDDQR LRQNIQPGDARKVLNUIDNISTMNPQRKMFQKQPLQYKQK TVIYERLAHASIMKLNQOASNDKLYDLTMKAFKAVQVLLCPDPKDV LWVYIPLHLLV1KGFIDHSPTIQLOQVDTYLRQLTETLYGGLSAGEFQ LIRQTLIIPFQDILHIVSVNIFLAKDVKVNQNNJRFVLPVSGVPRG EVPGILRMFNNNGKEEVRIEKFHGQHGYVPAFKCISPEFYGDRV KLOTNMYSVNNQPVETHVSGSSXNLASJWQESTAFLNPLAKEEINF LARLMGMBEIKKPSCPSEPGPGRNLIFTDEEEQHEQUALTRPEELS EVINIQATQDQQRSEELARIOMEFEITEQPRRLSTSKEGDLLAM DEL

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6645	6530	4646	FVECLAGVVYKAASEGVKIVLAAELLNRSSESDIRYLGGVVSQGCGRSTPLIIAARGNRHAKVVRLLLESHYRVQTQGTGTYRFGVVGDGATALMCAAGAHGFFVKKLVLVSHSGANVNTHTAVVNSTPLAEACFDGRDLIVKYLVVENNAHISIANKYDNTCLMIAKGHDVVRYLILEQRADPNNAKHCGATHPAAEAGHHIDIVKEKLKWRRAIYVNGHMTPLKVAABSCAKDVVLELLSISADCDCRSPRSEALELLGASFANDRENYDIKTHYLALMLERFQDGDNILKEVLPFPFIHGNRTECRNPQELLESIQKQDALMMEGLIVVERLGADNIDVSHPILYRGAVIADNMFEQICIKLWLHHLHRLQRQGNRNTTHKLRPQAFVFSQMIEHLNETVKAPDIECVRCSVSLIEQSMVNKNVSDADVNAMONYCHNLTYFLYLVC1STKIQCSEDQCKINNKQIYNLTHLDPTTREGFTLHLLAVNSNTPVDFHTNDVCSFVNALVITLHLISIISLVEAGAHMTDMNKQNKTPLDKSTTGVSEIILLTQMMMSLKCLALARVANDINTQDQIPRTLEEFVGH
6646	176	890	PSSRMNHLPEDMENALTGQSQSHASLRNHSINSNPIQLNARIESYEGREKKGKISDVRRTFCFLVTFDLLFVTLWIIELANVNGGIENTLKEKVMQDYISYSFYDIFLFLAVFRFKVLLAYAVCRRLHWMAIALTTAVTSAPFLAKVLKVLKFSLFQGAFGYVLPPIIS7FLANIEWTFLDFPKVLPORAEAEENNLILVQDASERAALIPIGQLSDQYFSPPSEAQSSEAAEKQDSEKPLPELZ
6647	176	890	PSSRMNHLPEDMENALTGQSQSHASLRNHSINSNPIQLNARIESYEGREKKGKISDVRRTFCFLVTFDLLFVTLWIIELANVNGGIENTLKEKVMQDYISYSFYDIFLFLAVFRFKVLLAYAVCRRLHWMAIALTTAVTSAPFLAKVLKVLKFSLFQGAFGYVLPPIIS7FLANIEWTFLDFPKVLPORAEAEENNLILVQDASERAALIPIGQLSDQYFSPPSEAQSSEAAEKQDSEKPLPELZ
6648	413	897	RNCWNCPTKTFNNPDEDIDHKDSYSLITRISIMAEPDLYIEDDNPFLIRPQKLINLVTKSNSRNHQDLRLLMOKQRLAPQPNKPELDPMEKRRDQVVKQKEBAAQKKKSDLETEILLKQROQKQLELEKQKLOEQEQAEPFVVKVGNLRRRTQVEVAQAOES
6649	1357	832	WIFPVA31RHEVKNWKEETMSQHNRYJ/DALLKEPQFNRLNEVSKRFA1PVPNSN1WEHCIRLNRTIVGQYANVCKCSNEGRALMQLDPQPFMLMKLEKLTDIRP1PKEFVETYVIIKYA1LTDNERWIKEHREYSTKQL-TNLV/WNCLGSHINKKAROKLЛАAIDDIDRPKR
6650	32	765	LVDPLVSLJLWQSCKVYRVSIAKVPCLLIVTSLCJLGLQAFRQKQGSTGEFFPHFTQGGRDSCTRPSSLGQGAGRVWLIRDRCNTDQTTWCEYRGQPSMCQAAFADPKPSYNNQALQGSLRHLHACQAPVLRPSVCREAGQPAHMQQVTSLSLKGSPPEPQOPEAGTSLRPKATVKLTRATQJLQGDMSLMELGKAPTRTPAPKPTQGPGRPGNEZEAKRAWEHCMKPFQALCAFLLSFPRO
6651	3425	1353	AKELLKWWGDFSLCAQGFYQNTAATWENLSKPELAQFVSSEFDISAQIATEHVVKIDNSGGETATBAEGSETLSRDQSVGNSDMHYELSGDSLDLQLGCRNPRLDLEDSYTLLGSYTKKDVPTDGYESSLNFHNNNNQDWGCSWSVGMETSLSLPQHGTAAVKEKECVPVQVYQIRDJHGILRTYANFSI7KRLKDYMRTSHGLRHRHPSFANGCLPSSSWTSTWQVADDLITQNTLDLEYLRPAFKLQLQTKINGDOSHSASSANVFPKESPTQIS1IGAFPTKISEAPPFLHEAPVLTWTVTEESDPRPQGGQPRBGYTATSLDSSSNHEBCS1HNDLDRLSQRNHTVFSVHLNKLKYNSTVKECSRNDISLILNEYEAEEFNKMGSNQF1IODEKLNDSVSGEATQBMYLDPFGRSASAYEDII1DVC7CNLWVLSRUVKERAQKSTFLPYLVETEDNSPVRTKLNRLRKQHTEIEPQHFCQAFHRKNTLJII1IRNEDISHA1QIPSLSLKLKHFPSQAGVDSFGDVLQDHTYQELFRAGGFV1SDDKTIIEAVT1VQ1KE1K1LEKLNGNGRWKWLHYHRENKKLREDERVYSTAHKKNM1LKSFSQSAN1IELLHYHQCDSRSSTKAELKCLLNQ1QHIDARPAVFLTDKPT1PRE

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6652	2	1343	PENNLGIVIDWNVFIENIEKIAAPPRSSYV
6653	170	1910	PFELPPRHFPPASRAKAFVPARCRPSPLPHPCFCPCFGGGMSLSPQ RVAAAASRGADDMSESKPGPVVOVVLVQDQHSFVQKALASI LLQDHIRLDLVVVVAAGAPRKGSFPLDMLRVLVLSQKESGHS NNLQDPERPLTGFSRGGSDPFTGQIQWSEVFTVEKPGOGKVA VULMDTQGAFDSGSTVDCNTTFALSTVTSQVYINLQLSNQVED DLQLQLPFTYQGLRAMEIFPKPFQTLMFVDRDMSFPYVSYGL QCGNAFLNKGQVKEHHEIIQNRVNHNSCFSDFVTCFLPHPG LOVATSPDFDGKLKDAGEFRQEQLALPVYLNPSKLMKEING SKVTCRGLLELYFKAYIYQGQDLPFKSMQGATAEAYLAA SAKDIYNNMEEVGCGGEKPYLSPDILSEKSCFQKLADHNEKKT KMGKGKDFSTRYQLEEEIKLEYENFKHNGSNCVNFSTFRTPA VLFYGIVAVLYIASGLTGFIGLEVAQQLFQNCFVNLLIALLTNGY IYSQGYRELGRGAIDPQAAYVLSQASSHIGNSTQATVRDAUVR PSMDKKAQ
6654	1	705	RTSLPSQSCESSFNLLMASQAMQILGVVLLTLLGWNVNLGLSCALPM WKVTIAFIGNSIVVAQGIVVWEGLNWNSCVVQSTGQMOCKVYDSSLAL PQDLOQARALCIVIALVALVEQFLGLVYLAQGAKCTTCVSEEDL VLTSGIVFVISGVLTLPVCWTAHAVIRDPYFLPLVVAEAKRKLG ASLYLGWAASGLLLGQGGLLCCTCP8GGSQGPISHYMARYSTSAP AISRGPSSEYPTKMYV
6655	341	16	KDLYWFKKGLLALAVFSLPVPFAAHIPDWRVPEQYQZBHQVHGQA INIPLKX3VKERIAATVPDKNDTIVKVCNAGRQSGQKAIEILSENG YTHVNEAOGLQDIAAMPKVKG
6656	2	1212	TELPKPKPANLAQIOPLSPLKALAPLPEKQGAVPQKMRKAVAK DINNGVKKMSLGLQSLGQGAVACLACKGTCGCSOFEPHSWRKICKS KCQSRDHCCLTSDELDKRRIGRLMDYXSTQGKTCVGDDEIYR KRNRMMINTNPJATGKDPTFDITTYEWAPPGTVQQLQYQMLIP KEKIPVTTGAFYRQRQLNHLPIYDQKPEAEQBLNEELKLM EEFVVKQYKQSEALVGVEVALPGQGQPLKEESKQDZKEPQABTTAA TTNGLSLSDPSKVEVYCELCCKGKAPPDSSVYVSDRAGYQNKQWP TCFVCACKCSPEPLVDLILYFWIDQAPWCORHYCESLRLPRCSGCDRI IAFAEDYQRVEDLAWHRKHVFVCRCFCQQLLSGRAYIYTQKQQLCPT CSKSRS
6657	830	2120	LITTCQERAGHCGLLSASTMKVEVYNSPKKVAWDLLENAMPEVCEP LEIIFPTGQDLINLUTQEDPKKPLPLCRVSDDNGQRLLDNIETLKMNH HLEIPTGQDLINLUTQEDPKKPLPLCRVSDDNGQRLLDNIETLKMNH IIXPKPPELESQYIPEWNGKTFIAYLALSCFCVLTIVMWSVHER VPPDKEVQJPLPDTFVDFDIFHRVWQWAFAICSINGMLVHMLQIOL LLKXASIIISRHPFFCIVGTLTLYRVCITMYVTTLPVGMWFLNSCSPK LFGDWNEAQLRIMKLMLNGGGSLITGSHNMODGYLYSGHTVMTLT TYLFLKXSYSPRLRWYHNMICWLSSVVGFCILLAHHDYTVTDDVV AYYITTRLFWWYHTMANQQLVKEASQMLLARVWYRPFQYFEK NVGIGVPRSYHNPFPWVWHLSRQDVXYSRSLVNET
6658	35	855	HCCALGAPGPSPRGLYFSSAAAPCTAPRAKAKHQSTLEGTLKRMU

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			FDPVVPVKQRAMDFSVSVPSPNYESMSKPKRNYGVIYSTPLPEKFQTPEGPLSHQIGMEPVDLTIVKRSRSPSPSGNSPSLKFPSHHRASPGLSMPSSSPPIKXYSPPSPGVQPFGVPLSLMSPVMMAALSRHRSRSPGLPVLQVPPVQFPVPMYTSHLQQLQQSPMLWSLSEEMENSSSSWQPVIEVIESKEPIISKKIKIEPGIPEQTDTYYPEERSPLMMSVSPQDALLQE
6659	18	523	KFQRQDCSEIWQNCSLPFRCVCCNGFWLWRAHESMSNLHSLPGLRGLTSRNLQQLCITANMVINNQRRMNTQNTLTFANVNVNCGNTTTCPCPNRTTNNCHISGSGVQVPLNYCNLTSPSPONCRYAQTPAMMFYIACDNRDQRDRPPQYFPPVPHLHTT
6660	514	1707	CAASLDCCRHYIHCPCFLWPKLVSFSKLLQAAAGASARADGCVTSNVLPILLQEPFHKUSOSQSRTELEMLLGLPQSYEEDKQDQLPRLNGFKDQLCPLQVFLVALTDSTQLOLQWVGIRTLTVLGAQDPLLSYEDLELAVGHLYRLSFLKEDQSQRVAALAEASTLIAALYVPAFSSHLVPKLAKELRVRGEESNLTNQDDEPTOCSRHLCLQJALSAVSTHPSIVKSTLPLLQLHQWNRGGMVAGSSDVIAVCQSLRQMAEZCQODPESCHYFHQTATPCLLALALAVQASNPKEBPSLVLKVLLDEBLVLAAMVSVIGTATTILSPELAAQSVTHVPLFLDNVSFLPENSFPSPRFQPQDQSSSGQRRLIAALLMAFVCSLPRNVSHEIMVEVLLNLDKVTFC
6661	179	430	GVHAAGCTLSATNLAAACWPDSSLAAQKYLQGQAAKINIGMFDYDNYVEHHRRVNHPNDQPTMTTSEFRERQDARYGGKGGRARCC
6662	185	423	RSPLKEAPFAQPSIHCARFSGVTPPTKATMSGCDTAFNALNYCQPKADDDGFSACAPASSVKAQSVSVAQCPQAVIP
6663	3	1005	RPVILSSRVVDDFVEFLPETSGRRKELBLRMSVDRVRSODIFRTWPKRNELSFSTQASTMNAISNFRKHLRMVGSRVRAKCTFAERRSERSFRSWSFSQRTASMTMKAFTSDHSRDSSDLSQSHCTLEDAEFDLWDTEKIGLEAVACDTCFGFPVPLVMSLISKVPEAKYIPTIHDRTDSIIPIIYDHEHATFDEELEIERKLKNVYHNGAIKXWMLICPQGGPHLYLLKNGKWTAFKVKKEEDCMHIFWRLSLRMSKVNPEEPNVLHIMGCYILGRNPNGERKLFCNLTLTMPTVYTFVFSPLSLESAQGKQNIETYDFRLYRMLWSQSPSKLLBDPDDVL
6664	58	968	PRLLRPLPSVVMDSWPDNEALAFSRITSPPFIDIAUWVVAVKPROGPAAALWNENISSNFTAMLHCFCGGQALLSCLLAEPLPLKFLMHHTVLLASSIWIUTIFCPHDLVSCGGSYLPVQLQASGNKEVTRIWKIVOGVTHANSYGMIVMIAWARGAGGTITVNTBRLVKGDKWPQEGDWLJNSPQAVTLLGGSVITFTGKQVHQLAISKHNLMWLYTIVFVAYKLIMMTTQSTMTPAFTPSIYPLFLFANLNNLCPNELAKASPAJNSFVSGCVAGSIAAVATPLDVLKTRIQTLLKIGLGEDMYSGITFDCAR
6665	171	1278	DERELNACRPTQSRSELYPQFQKRQPLFVFAKAGEAAGGRELFGRLNPGCQTQNCVSHATGPERKLPLLPFDPSNSPGYPKBPAALCPGIPSPCRMTHQDLSITAKLINGGGVAGLVGTVCFVFDLAKTRIQNOHQHAKAMYKGMDCLMKYTAAREGFCGYMRGAAVNLTLVTPERIAIKLAANDFFRRLMEDGMQRNLKMEMLAGCGAGMCQVVVTCFMMBLKLQJQDAGRLAHVHGGSASAPSTSRSTTGSASTHRPSATLIAWELLRTTOGLYLRGILGATLIRDIPPSIYPLFLFANLNNLCPNELAKASPAJNSFVSGCVAGSIAAVATPLDVLKTRIQTLLKIGLGEDMYSGITFDCAR
6666	498	2868	MTZFLPVPQNMAGEFGTFCNPBPRESFSWAOFLHQPPIVSCLTLSWSPOCPWPQIQLKGKVGLWDIKRPNQSSLLRYQGNNLISLQSAMSVRFNSNGTQIJAIRQRRRRLPVLYDHSRPLPVQYQZPNSCTMCSCCFAGRDQYIILGSSDDBNLYMWRIPADPEAGGIYGRVNGAPMVLKGIRSIVVNQVRNFNPHITYMCSSGVKEKIKWSPQGCTSDLDGRIEDDSRCLYTHEYISLVLNNSGSIJSHDYNANQSQEDPFRMIAFDSLVRREIEGWSDSDS9DSDLS2ESTILQLHAGVSERSGTYTDSESASLSPRSPPPTGVDESADNAFHGLPRLVTTNTVASTPPTPTCDE

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6675	277	1678	GNNPTERNALFDNPTTILAHIRQSHVTSIDTDGMCEWVLIDHDVD LEKIHPPSPMPGDSGEIQGSNGETQGGVYAVSDSITTSWDFGIR RSNTAQRLRERLKERQNQIKCKNIQWKRNSQSAQEQLKSLPE KKSLEKEPKISGKQSIISVRLEQCPQLNRPNEYSKFDPDKHGV GITATKKIDVYLPLHSSQDRLLPMTVTTMASARVQDPLGLICMQ YTSEGREPKLNDNVSAAYCLHIAEDGEVDTDPPLDSNEP/IHKF GTFTLALVERVSSPGGLTSKESLFVRINAAHGFSLQIVDNTKVM KEILLKAVKRRKGSKVSGSGRADGVFEEDSIDIATVQDMLSH HYKSFKVSMHLERLRFPTTDVQL/GCALFPVLRKRAAPVDCLPRS ADTWROEQ10CCGAACALRS+DSHKC+EGLSGDVKVEIDPVTNQ KASTKEWKIQEPIISDSDLCA(DLAE)
6676	277	1678	GNNPTERNALFDNPTTILAHIRQSHVTSIDTDGMCEWVLIDHDVD LEKIHPPSPMPGDSGEIQGSNGETQGGVYAVSDSITTSWDFGIR RSNTAQRLRERLKERQNQIKCKNIQWKRNSQSAQEQLKSLPE KKSLEKEPKISGKQSIISVRLEQCPQLNRPNEYSKFDPDKHGV GITATKKIDVYLPLHSSQDRLLPMTVTTMASARVQDPLGLICMQ YTSEGREPKLNDNVSAAYCLHIAEDGEVDTDPPLDSNEP/IHKF GTFTLALVERVSSPGGLTSKESLFVRINAAHGFSLQIVDNTKVM KEILLKAVKRRKGSKVSGSGRADGVFEEDSIDIATVQDMLSH HYKSFKVSMHLERLRFPTTDVQL/GCALFPVLRKRAAPVDCLPRS ADTWROEQ10CCGAACALRS+DSHKC+EGLSGDVKVEIDPVTNQ KASTKEWKIQEPIISDSDLCA(DLAE)
6677	277	1678	GNNPTERNALFDNPTTILAHIRQSHVTSIDTDGMCEWVLIDHDVD LEKIHPPSPMPGDSGEIQGSNGETQGGVYAVSDSITTSWDFGIR RSNTAQRLRERLKERQNQIKCKNIQWKRNSQSAQEQLKSLPE KKSLEKEPKISGKQSIISVRLEQCPQLNRPNEYSKFDPDKHGV GITATKKIDVYLPLHSSQDRLLPMTVTTMASARVQDPLGLICMQ YTSEGREPKLNDNVSAAYCLHIAEDGEVDTDPPLDSNEP/IHKF GTFTLALVERVSSPGGLTSKESLFVRINAAHGFSLQIVDNTKVM KEILLKAVKRRKGSKVSGSGRADGVFEEDSIDIATVQDMLSH HYKSFKVSMHLERLRFPTTDVQL/GCALFPVLRKRAAPVDCLPRS ADTWROEQ10CCGAACALRS+DSHKC+EGLSGDVKVEIDPVTNQ KASTKEWKIQEPIISDSDLCA(DLAE)
6678	221	865	GPNHSQSGSLSLIVIGQSSWNS*INDTCILRLVLSNSNFGHQ*LR PFFCQLMSQGCLMLDCCCPWPVYIPQ20QWIKGRQMRMNN*QS LIQSDQBSVSLLEDLGVPVTFLLHVLLQLP*PHELPVSDVLDLG FLPVPLLQGGCHCLVLVNLVSCQAPQ1GKLSCRJQTHDLSGRN HHPFLFVGWMDAVERLTVTQSGLASLGPVQGNGHSSGP
6679	2	786	LEFARGAMGLGODWRSRPGQNNWTVTDGMKFRFLDEKSGRSVSDL SSYCNKVEYNKRNJNSLYND//SCSQEEKEHAB/QNQNS/DPH QEKWVYHRKGSTKERRHYCTLGAFNRELDFSTA-LDSRFRNTVV RILLEIKAQSLTTSLSGIAQKFNWNILEKVVLKVLEDQONITLIR ELLQTLYTSLCTLVKRVRGKSVLVGNINMMWRTMETLWQOQLN NIQJTRVSGGAGQGAGGGSGLSLHRDTVCTRQEFETPTVTEESCLF
6680	1498	2951	PLCTLPLNPSSALPGWACERWEKONPLA/PGGIWOTPGSISE P\ERMEPDTHCPRGEARPV\HLPKPHSPGSEGAIEIOTSA ALP /NOVS/PQW*GAEDNDQRGGEAEAGEELHRSRSGCTTAPOGPFV EHVRHRLT\GPBGPBGGP/*GAGACTQGSWAPGRGP/SPLLPAS MQRS/QAGLPGMNRAGLVEPTTHHJIALPREGSTNTGAEPASTTC SGP/*APPGUTGRLRJ3GGSSSGHGO *PGLPGVKG*/GLGAAQD PQSOGRGP/TGTVTCEMLLSGLGSAZCARPARAUPVLPEDPDRS TPKKGCTRGFGEPGPGLVQSRERNRWVGRACQFTISADAACTAAPPV *LAPPLSQPQPGATEPQVRACGMNPPS PGTSGRVLVAMGRGPQVY AQGCPQAGQCGWQSQRPGSQRCPRTYTHSPLGHGRAPCPRCWH* WDQDIPSSPRIGLPGIPARQAYASPRTR5RSGRIGTGRAYGFI RFOQGGGG

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PCT/US00/34263

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6681	1169	511	INVIVYMQQQRAPHFELKVLSSAPAVLGLPDLTKPLTHVSERE KMIVGVLTTQTPWGPWSRPGAYLSKLQDGWSKGWPFCPRALATAL LAQZADELTLRQNLNRKSPHAA/VVTLLTRNKGHH/1LNARLTYRQ TLQCCENHKTFTVNTSN/INPATLWVTSFVKINCLEVLSDVS SPPSLMRDHP*/TSVBDWELVYDGSGFANPCKVTLKETSPAPVTFPS
6682	109	1238	TWLCGAMQVSSLLVSLCQGKSLPPEKLSDRKIKRQLAKKJVDV VERRIELIQDFPMPFTVCTTIVKVSQDQYVILATGTYKPVRCYDTC YOLSLKPERCLDSVEFTIILEDSDSYVCKIVFHNDRFLIEFHQSQG FYXKTRIPKGRDFDSYHYPSCDLYFVGASEVYRLNLBQGRYLN PLQTDATRNNVCDINSVHOLPATGTECNEBCNDRPRTNVRNGLL DAP+*TWSQQIOR*TSLPTISALKFN*/DALMVAGTTCITGVQVLY DLRSRDKPLLVKDHQYGLPKISVHFQDSLILSACSRSIVKMANNK NSGKIFTSLEPEHDLDNVCLVYPNSGMLITANETPQWGIYIVIFVL GPAPRMCMSFLDNLTIELEENPSENLE
6683	109	1238	TWLCGAMQVSSLLVSLCQGKSLPPEKLSDRKIKRQLAKKJVDV VERRIELIQDFPMPFTVCTTIVKVSQDQYVILATGTYKPVRCYDTC YOLSLKPERCLDSVEFTIILEDSDSYVCKIVFHNDRFLIEFHQSQG FYXKTRIPKGRDFDSYHYPSCDLYFVGASEVYRLNLBQGRYLN PLQTDATRNNVCDINSVHOLPATGTECNEBCNDRPRTNVRNGLL DAP+*TWSQQIOR*TSLPTISALKFN*/DALMVAGTTCITGVQVLY DLRSRDKPLLVKDHQYGLPKISVHFQDSLILSACSRSIVKMANNK NSGKIFTSLEPEHDLDNVCLVYPNSGMLITANETPQWGIYIVIFVL GPAPRMCMSFLDNLTIELEENPSENLE
6684	111	527	GLRGGTTSRGRAGTPEPFAVGLCVAGFCGCGCPGPGRRGRBAPAPPA /P/SGRHRHA*PRA-WLGGPGGDSGGREEGS/GELQRAMESMSXG ELPLDINQZEPWRDQZSTPFLGRARKHFTTVTDPFRKLLLSGAQLEAS RNIVQYNR
6685	258	1473	KLLGDQNGPCKFELSFUSGNSNS/QSPFL/DPFDQPKVQL CGVIDMNAVNQIGNNKKOQKANLIVGAPV2RLLYLQQGETSTSSTEKL ECAVVLISLAMJENNNVKSLLDCIIPALQGGLLFLPKIPIEAC LRLCRTRFTFSPTVPEERLTDATVPHMLMALLSRSRVTYDQYIC1 IFSHCCGKQDPHQITLNPQAHQVQNIHALYRLLSYKVMRKQKCF5 VLAPEQNDVPSMTLNVLLWDGELQFQIIVYKMLQDKP1EMOLTSASA KCLYUUCMCRAGA1RTDDNCV1KTLTLPCLVRMCSKELLRBEVERGVA ETFLAYLIEPDVELQRLTASITDHHILMLADYKTPSYPSVSAITDQ RLDHDHJKAHHLERLQAAFPKLYASLGANDDEDIRKKVSVLQEJRPVVL TASRQGVTT
6686	310	927	DSVTFDILDAVDPFTPKETPLLDPTQCRNLYFROVMLENYKNIATVGY QLFKPSSLISWLEQESRVTQRCQDPQASENWKVQLKTELLAQDQV LGEPTTSSQIQM1GSSHTGEVSVQCKGWDVSEHSSCLTHTRVQNT SENTPECYLGWDFLTHKKKSTGEOFRSVVEHSSWVHKQFSSLNPDV VQCKNKRCTRKKKFAT/LOUTLGLKQHFSI SHIT
6687	181	915	EAMFELPPAKKEDD/OCQRKEKVKYDPSNT1STSNSNGNTSOSST IGETSNRSRSDDRYRNRNSRSRSPQRGRS/RSRSDRWHGSSE SEDHMDREDVHYRSRPLATEPQVJWLNLSPEARDTPTVFCMQLALAR IRPMDLDEDFPSAVGKVRDVR1ISDRNSRNSKQJLAVFEPCTIQSG PIAJGLTQGRLRPLVIVQASQAQESKRNJIAAMANNLQKGNGGPMR LIVVGSLSHNFNTIRMLQFQPKVY
6688	1025	1	ASVENVYVPFRKCPDSWRFKPFQPIQQLQYIILSTSSEKPPIS/PF SPKPLPR/SATAMATAAQNPNSSDPLPSDGMGFISSPAGSDLD LPSDQGTFGPFSPLAGDSSTSSRLSIAFLPSLSSVSGSSACTS STSGSVGPVAAPTSSSSSTTRNDVAGLDFDTVTSVWVGSLSVSE REWAVICOSKGAGAAGSSC8RAGKTTEAATAMSPTGSPSTFCTC TMSELSEELFLSPSPALLSLPSLFTSSC1LA1CQODGSPSTGDTGRLS VQCLMLADSDTGKLSDFCOPRVFTGBDSSG1CPECLSLGR*MSL

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6689	640	1299	SSAVIPIGYSSSDSRLATVPTIVLICFPUKST
6690	1	442	SSASAYNTSATISD7AFSGSLLLKHLLSLSSRSSTS+TSSS AEDSNTFRICSPSPVSDTSSDSSGSKDNVIILF5KVSI+*SCFSLS FFSDS1SFPCFSSSSFCKR*FVSSKVCNSLSRSLNSGPGSK QRNSL1PARQMLA5L*ATK*+RNACNPCLTSKSKSAT+LSLNQRT UGSASRKPGN1SFEPSQKCSALSYCCNFV1XPREVSVSSENYPAF
6691	287	1401	CTRGKAATATGPIGSQWQMRCLISAR0DGSMLLMLLMLLSSQCGP QQVGAQQTFTEYLKREHLSLSPKPYQGV9TGGSSMLNGLNMGNAMWTQ YIRLTPDPMQSQGALNWRVPCFLRDWELQVHFK1HKGKCNL1H CGDLAL1WTKDRNP
6692	178	939	LCTETSEKKARYKDRPSQINNAVFBQKGMKIGAESLTLEDAV DFCWSEQLQLGAAQKDLYRDUMLNEYNTLVAVGQSKPDELFPK L80GBOLWTEDEJGHSAGCSDIWKVDBHLRLEQESLVRNPKFC HEHDAPENIVHCSKSQFLLCQNHIDFPLRGLSKLSKSN QVEIKNSVEFTGNGDSPI+HANERLH+TAIKPPASQKLISTKSQF ISPKHOKT+RLEKHHCVCSGCCGAPFKISWLTQH0VWHTGEKPHR CSLCEKAPSRSKPNLTYEHRHTHTGEKPYCEPGCKLFLKKSRI HQCTEKHGKPY1CSBCKGFIQGNGLIVWQHRTGKPYCNEC /GKGFIQKTCITLIAHQRPHTER
6693	178	939	WKEGGELS1LWERFCANI1KAGFPMK1HAFIMDGNRYYAKCQVE RQEGRHSQ+FNKLAEBTWRCNLIGL1B7VTFYAFS1ENFRKSKEV DGLMDLARQKFSR1M+BEKEKLQHGVCIRVLQGD1H1LPLD1QEL IAQAVOATKHNKNCFLNVCFAVYRHEISNAVRMANGWEGLL DPSDISS1LDDKCLYTNRSHPDIL1RTSGEVRLSDFLWLTQTS SCLVFQPVLMPEYTFWL1F2AIIQFQMNHSVLSQ
6694	292	813	SLL1H1A1PQAYT1PSQPLSSVSTETASVSRQAALESRGHELPV EVHS1CQ1LPQDGL1TAAGPPEAQDPWGSQPG1S1PAAH1GFAA DPSDISS1LDDKCLYTNRSHPDIL1RTSGEVRLSDFLWLTQTS SCLVFQPVLMPEYTFWL1F2AIIQFQMNHSVLSQVYFLP
6695	292	813	SLL1H1A1PQAYT1PSQPLSSVSTETASVSRQAALESRGHELPV EVHS1CQ1LPQDGL1TAAGPPEAQDPWGSQPG1S1PAAH1GFAA LAVGPSSGCHTERP1EVWPSL1FQD1AYADRSKSL1Q1GITHVV NAAACKFQVTDGAK1RGRMSLE1YEGIBAD0NPFFDLSVQYFLP
6696	1	782	PRVYRGRVGERWAF1SPVAAAMS1EMEP1L1R1R1R1R1R1 LC1QML1EKS1P1DQA1M1L1K1A1R1T1E1M1V1D1E1D1V1D1 D1E1G1A1M1L1M1L1M1L1M1L1M1L1M1L1M1L1M1L1M1L1 L1Q1D1K1P1F1P1V1F1V1D1W1N1Y1E1Y1Q1S1L1N1E1N1D1 R1P1S1G1R1P1G1T1M1Q1A1R1T1Y1T1A1P1T1S1S1G1R1F1V1 L1G1P1F1N1L1S1R1N1T1K1S1K1P1K1L1A1K1L1Y1F1H1E1D1 L1A1L1T1E1H1S1Q1W1W1D1Q1E1K1C1Y1R1G1V1R1E1A1K1S1
6697	3	782	PP1PLERLNGRALRERGSRKV1AVV1PASL56QDVGS1PAYLT1KDR IPQ1LTKV1DT1LHRHKSEFFKHOE1GVEBAK1AIS1L5K1LNE LQ7D1K1P1F1P1V1F1V1D1W1N1Y1E1Y1Q1S1L1N1E1N1D1 R1P1S1G1R1P1G1T1M1Q1A1R1T1Y1T1A1P1T1S1S1G1R1F1V1 L1G1P1F1N1L1S1R1N1T1K1S1K1P1K1L1A1K1L1Y1F1H1E1D1 L1A1L1T1E1H1S1Q1W1W1D1Q1E1K1C1Y1R1G1V1R1E1A1K1S1
6698	668	754	VGSACACAGSCKCKEC1C1CSCKKS1C1AFP
6699	325	492	EGELP1/PARRVPLPRMTASAOAQRGRGPGVGVGUVTSCKHPCRV LGLKRRKGUSVGAGSFG1LPGCH1LPEGETWECAQCRWT1EEAALH1K NVHFASVVUNS1FIEKENYHVV1L1MKG1EVUDTHDSE1PNVPEPKN

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6700	1098	1392	TQCWESSTPGMTRHPTCP/RLECGQGFQQUENHGMQNTNECIG FPPCSPRDKVPCVNTYGSYRKTKKKCSRGYEPNEDGTACVERT LLLGICNLILK
6701	2	1485	MANGPTPRTVBAAAEFQQPSPPGIGPTBKAAPRTPKIRRLW RQQR/HPAMLCVTPRDAVIMEVEVEAKNGDIAPYRLKLRLVKF FPEPHLILQEQOTRTHIFHKEKLLLAGHLCSQPQAVELSSALLA QTFEGHDYNNQNTAKYNNTEELCAKELSATLINSIVAKCHLEGTSQ ASABEYQLQIVSAMENYGIEWHSVRDQSQQKLIGVGPBEGISIC KDDPSPINIAYPVVQMATQSGKCNVYLTVTKEGSNSNLFVFLKMI STRAASGLYRAITETHAFYRCDTYSVAVMNCYDSRDLKGHLASLF LNENINLGKVKWPDIKTCSTEKVYDEARALYNAGVVDFLSVRSNNO SPSHSPLKSSSESSMCSSCCBGLSCQQTFRKELRLKRCAPMLCM VCCCCEEINSTFCPCGHTVCCECSAQQLQVGESAHCWPLQHPLSL LJGSRSVLAF
6702	397	1971	PLMKPLKLIDLNVNLCLPMDVSLPYTCFCMSNLGGSCHSLPLPK RAFAFLCKSRKATVDTLVAVRMAGEEFTPTOLCKLPAQPSH/PCHV NNTYRSQACHSQALLRLDRDGLFDVWLVVGEHGMIHEAHRL LAASCDYFKMPFAGGLKEHNEQEVEJLHGSNIVNAMCQHFLYFTS EELLSLSNVCUTLVAACQLQIPEIHFCCUFWSWDLBENLSDV YRLAELFDLSRLTEQDITYTLKKNFVAFSRTDLYKRYQLPLEKVYSL LSSNRLEVSCTEVYEGALLYHYSLEQVADQSIINPPKLL VRKPMLEAEVQQLRHDNPSPLRDUTVASMLYHRSNLPQSLQ SPVTELRSDPQCVVGGFGGIHSTPS/MSAATRPLGEGWKH FTASLAPRMNSNQIAVNLNFVYLLGGDNNTVQGRFARSRCRNYD RHNRFQIQSBLQHSEADLSVCV/VGRYIYA/VGRDYNDLNAVER YDPATNSWAYVAPLKEREVYAHAGATLLEGKQMITGRKGRIT
6703	45	1244	GVGPRAAAMPDLELCPCGRRVGGHCFPTIAEGXQHOGJELDVA KRMKIMMAKECGDACKPKQSLESLPEKPNMKALERPYTISKHMWGT YEHBEHRKLEFSHDYRDLORYABEVGIFTFTASGMDMEAVFELIE LNVPFKVKGVGQGTHPFPYLETAK/TRGWHSVLSRLDVCGVQLNDE TSSMVLGRVRRTSKCKVLMVLVLDYSGRMV/LSSGNWQSMDTMKQ VQVQVPLNMPCFLQCTASYLQOPEDVNLVISHYQKLPPFDIP IGVSGHETGLAISVAVALGKAVLBRREITLKTWQKGSNDHSALE PGBLAEVRSVILVJERALGSPTRKQILPCBEMCNEKLGKSVVAV KIPESTILTMDLTIVKVGSPKGYPPEIDITNLVKGKVLTVeedD TIMEB
6704	82	1007	TMNTHNKVNNSLGLASFASPRPTRDPPDPSGKQGEELSPVEDQREG LEAAPKGSRSSEVHAGQRRRTSAYTTLIAPLNINRERBIEQIAE LANLKKMKSSQNRAKPVHVLVRPRLLOGSQGSTVQKQQLMLQWSK YQQLKLRKESVRKKEAEEAELQKMKAIQGREKSNKLEKKRHLQE NLRAEFAFHQQYKTAEFL/RQTEHRLARQKCLSCKCLNFTILN MQQLKLGLQ/DSLKAEENRKLQKMDBOHQSKSLELLEKRRQQFQR RAKIHCTEHRPWNNAFLDRLQGKSQPGGLEQSGCQWNMNSGNSW GI
6705	2	786	RLCRNSARPCGWSASERSLRGCAFGIGPLRSRPHPRAGTGTTFT SYKRRGGIIMSTIAFYGGKSILLTIVTANCFKLKEMLKFTPTSD LKVIVYLVRPKAQGTLHRVQFQILDALKLFEKVEIWRVPHWEKIR AZYADLAQNDFAISKEDMGQELLSTCIIIFHCATURFDYLLRKA VOLNVTATRQLLMAASQMPKLEAFHISTAYSHNCNLAKH_DDEVY FCVPEPKKIIIDSLSW/LDDAIIDEITPKLIRDWPNIYTYTK
6706	130	531	FTHSSSSHSQEMLKINMLRNDGHFCDTIIVQKPIFRAHKVV AACSDFFRTKLVQGADEDENKHNVLDDLHWHVTVTGFIPILLEYAYAT LSINTENIIDVLAASAYMCMFSVASTCSEFMKSISLWNTPNSQ EK

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			LSISIGGGAGFAFESQQCAAGAVLDLNGDEAQNLTTRGRQLKMLDRKKR FVGQSQEDKKKIKTESGRYISSYKRDLYOKNQKQD*+S*L GRRRGILTRRPRPTTVEGEARPLAQAOQCIPGHAPRHPQLQAES LELTNTKQOILKQRRAQKAALSLIQRNTPQALCPO
6714	169	1416	MNCQELLEPPPPAMAHIFPSGGDAAGAAFWPGPQYCVCVELSVS GQNLRLRUVTSKSDPFCVLFTEENGRWIEYRTBTAIINNLPNF SKRFVLVDYHFEVQKLKFALPFDODKSSMRLDHEDFLGQFSCSLG TIVVSKKIKTRPLLLNDKPAKGTLTIAECLSDRNVITLSSLAG RRLDKKMFKGKSPDFLEPFYXPGDGCKWMLTERTEVKIVYLDPVV KPFTVPLIVSLCDDMEEPIQVCMYDYYDNDDGHHFEGFEPVTSQ MCEDARSVPELEPCINPKQKRKKNNYKNGNQGIIILRSCKINRDS FLDVILLGCGQIQLMPTVGDITASNGNPLDPSLHYINPMGTYKYL SAIWAVGQIYDIDYDSEDMKMPALGFQAOLPPVKSHEFAINFNP TNPPCGVDGIAQAOYASCLP
6715	32	493	GPAGACSSLSLCLPLTVQDIALAGAAGAHSPPHGGOPPERGLPGLSGMP GKPKHGSPPVPGNRNVLAWSDELSSSTGPQPGQGBRGSSLSLHS PSGPSPSPPTTBEPVPAWSALSFERLLQDPIGIAJYPTEFLKKEFS AEWNTWVKACRERFOQIPASDT
6716	1	176	GAGGPAKPSFGSEEFPAALERDKMSARAAAAKSTAMERTAINEQ HTVILHNRVSLCSK
6717	115	696	LFAASQKLNLTDFYOTSYISDQSOSYDQYQGTYQVTPASPOFVGHNN YDVSOCGRFRVPDDMMQPCQPYTQGQIYPTQATPASPOFVGHNN FEDEPPPLERLQINFDHWTQKTLVHLPHLWDADSGSINMEEDELAG PMVFCFLAPCATLILKIOFGVVGVISAGICLGMFCLNLMSMT GVSGFGCVASVIGYCLPMILLSSFLQMVGIIQTLTAGIIG WCGFSASKIIFSLAMRMQGQQLVAYVPCALLYGVFALISV
6718	290	599	KQSSTVPTOTLPSLWKHNSLCKFPEKGWLTKF2EGLTDFKVA VTFTRERELGLLDPVORQNRQYDVMLENFRMLLSVGHIPFKHDFVL LEKEKKKDLIMKTTATO
6719	1	691	PTPBEQJOREDGKCHMENNPIGSNLLCDPIANSQCSDDHGCHET LDLSDDDKTKADPQTLQDLDKADAEIIVRLLQGQDAREIPIQEBCQALSTY QRLYSKSLITTMVQVAGKQVBLKEPDGQULVLSGCCGTSGRMHAF QVVKKSXKARTGLLRITRCAATANAKLMSDVEDVSLENVINT RSKNGRKPKPLHLAATTIAKKLSDCEGSVICHVEPSBQYACBEGKPP DDPDEGSTKVLSQLANEDDSEDMLNSEHHRHRYNHNKIDAPSX RKSSSVTSSG
6720	3	822	HEVAEEAAGTVVYVQEGTIMPQGTRKRFQFVIRTEPEFGKWEILGYEAA VPITTEKSNPLTDQDLKADAEIIVRLLQGQDAREIPIQEBCQALSTY QRLYSKSLITTMVQVAGKQVBLKEPDGQULVLSGCCGTSGRMHAF LMSVSFNLKMLKGQKPLTYTYLIAQCDRSVVAASRBTGTDALNH IESTLKKVAAGKERVIVIVIGISVGLSAPFVMAQMDCCMNTAVFLP VLUVGFPVPSMARHPPPPRILRSLTWFPSPSLRATHYQITSLLFMS SVVTLISE
6721	3	822	HEVAEEAAGTVVYVQEGTIMPQGTRKRFQFVIRTEPEFGKWEILGYEAA VPITTEKSNPLTDQDLKADAEIIVRLLQGQDAREIPIQEBCQALSTY QRLYSKSLITTMVQVAGKQVBLKEPDGQULVLSGCCGTSGRMHAF LMSVSFNLKMLKGQKPLTYTYLIAQCDRSVVAASRBTGTDALNH IESTLKKVAAGKERVIVIVIGISVGLSAPFVMAQMDCCMNTAVFLP VLUVGFPVPSMARHPPPPRILRSLTWFPSPSLRATHYQITSLLFMS SVVTLISE
6722	1	390	RSNSKRTWQALPMVAVLPLLFLCGTPQQAADNMQAIYVALGEAVE LPCPSPTLNGDHELSWFCPSAAGGFTTIVLVAQVQVGRAPDPLK PGRSERLRLGNYSLNMEGSKEEDAGRYCAVLGQHINYQNN
6723	173	659	VCOYCTARMADIGIISAGQFQVAVVWDKSSPVEALWBDLQKQALC GNIGRGSVNEVIQQLQSOAHKESPSDFLILSLGJLGVPGSTTILHSAEIL AEIARILRPGGCLFLKEPVETADVNNSKVKTASKLCSALTLSGQ

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6735	280	558	TLNRLSOGSGSKKQVFSGIGCHESLWELQEVHLV
6736	195	808	KSEKAGVTIMMSNIPLQGVFNKDQTPRPFKRFPEPGTQRFLHKKAAQSLNAGLDLRLAQVLPQGDEDNDWAVHVDFNFRVNLIIYGTIXDGT
6737	150	1209	FVIMELPHKREMPNISLGLANLNFLKLRLSSVLFLYITDYYVYENSSSNPFLIRRIEELNTATASGNVBARVCFYRRRDQISNTLIMLADKHAKEEBEESETTVEADLTDKOQHQLKREHPLLSRQYESLPTHIRGKCSVALVNTEETSVLSYIYKEDTFYFSLVYDPSLSLKTLADKGIRVGPYQADIPMILEGGTFFCFCVPAVL
6738	148	653	PCVIMELPHKREMPNISLGLANLNFLKLRLSSVLFLYITDYYVYENSSSNPFLIRRIEELNTATASGNVBARVCFYRRRDQISNTLIMLADKHAKEEBEESETTVEADLTDKOQHQLKREHPLLSRQYESLPTHIRGKCSVALVNTEETSVLSYIYKEDTFYFSLVYDPSLSLKTLADKGIRVGPYQADIPMILEGGTFFCFCVPAVL
6739	3	631	CAACAEPPARVGAATALPVVNASGENMAFGSLLAVFIAVLLWLGAPWTHGRSRNVRYTIDENWRRELLGDDMIIWVPPWCFAQCNLQPWSWESFAEHDGELEWVIAKVDUTVTEQPGSLGRFIFTIYHICPANNEERVLGQALLASKWMDQAWNNVYDQCLQKIDTIVEDMEWNELEBQFELLQOFWNVPSVVAKYFYFDLRSLASANNNSPPLPEPLSRBPAHHELAISRLCDEKDYKUDIERSARKRSASAANDLTLPWMSPASIT
6740	3	631	CAACAEPPARVGAATALPVVNASGENMAFGSLLAVFIAVLLWLGAPWTHGRSRNVRYTIDENWRRELLGDDMIIWVPPWCFAQCNLQPWSWESFAEHDGELEWVIAKVDUTVTEQPGSLGRFIFTIYHICPANNEERVLGQALLASKWMDQAWNNVYDQCLQKIDTIVEDMEWNELEBQFELLQOFWNVPSVVAKYFYFDLRSLASANNNSPPLPEPLSRBPAHHELAISRLCDEKDYKUDIERSARKRSASAANDLTLPWMSPASIT
6741	141	960	SWPDMAESEVAKELEKHLILRGCVYKLQKLLATEKRCALLAQANKESSSSFISLRLAIVADLYEQBQYQDSLKVJCRHISAKHFVLAARSDSWSLANSSTKELDLSDANPEVTTMLRNRYITDLEPREDDVFLTELMLKLRNPOQLQJLRRERECEKGVGMSLVNVRCNIRFYQTAEELNASTLMNYCNEIIASHNVSEVEGVN/KAL
6742	141	960	SWPDMAESEVAKELEKHLILRGCVYKLQKLLATEKRCALLAQANKESSSSFISLRLAIVADLYEQBQYQDSLKVJCRHISAKHFVLAARSDSWSLANSSTKELDLSDANPEVTTMLRNRYITDLEPREDDVFLTELMLKLRNPOQLQJLRRERECEKGVGMSLVNVRCNIRFYQTAEELNASTLMNYCNEIIASHNVSEVEGVN/KAL
6743	1	412	H5HTQDKSLHILEQDPNPSSAAPSTSTCAPRXPMPKRISIISKGLASVKALKCSDSLKEAIATTALIFRNSSDSDGKLEKAJAKDLQIQTQFRNFAEQQETKPKYREIISLSEDEHENTKLDPEQFMILLISITVMSDLQANIR
6744	95	1343	RTPPANNRCAAGCEVLSRSSPNKASFALQSGAGGLPAVRLRDRQKVSTVGYMVEBVQDQHEARLKEFLDSFTDITGTSFLGQCBELTDLCHMSLSEZEVAPVIQPTLLODNLIGRVHFDQFKRALIIL1LSKTLSNEEHQFQEPDCSPLAQOPKVRGQKRYGRSLEPFPWFPEVTFBTVTIEPLDEZEARPSHIAQDCESEHWKTQRESEYEAQGQLRPWNPDNLNAOSGSQSPQDWIEKLQEVCKEDLIGLITRIGHLNRLKKLVS1

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			CEQYGLNVNDGEMIEERFPHNLDIDGTINSVZEDFFYGLPRNGKSLT
6745	1	588	PSASTPTYRQLKRHLMSQSDFDSGRRTTSSSAMSTTIGPRVFSCL
			DDGMGHASVERILTWQHGELIENSCEIILKALDGPGLDNINLTEL
			TIALENELLVTKNSIHQACI
6746	110	492	TFPQQCQAAQRHRLWLGCAWSWERAIAAGPLGLPSSTARQQNNP
			AAATTECFAAVWARGTAMGGSVLSSTDGSKSAPASATTAIRRDPL
			ELPVITSFDCAVCLEVHOPVTRCCCEVFRCSCIASLTKNNKWTC
			FVCRYALPSEGVPATDVAKRMKSEYINCAEACPTLVCLSEMRGAHI
			RTTCQKYIDKYGQPLQELSETA
6747	247	484	GATGAAESAPARRKRRKRSRPLTSSITPLSQATEKSSYQTTETI
			SLWTTVAIAQAEVKNMESQPAARLQLSLECRGTTAAKKKLADCEKEMA
			VEPNQNLQECMKAVALGTLLOQFYGGILQRRLNRVNLNTRRN
6748	201	665	EAATPTKDVAVVFTTEREELGLDLDAQRKLYDVLNENPRNLVSVG
			QPFRHDTPHFRLREKPKFNNDMLIATOREGNNSYVAWC
			MITPKKEATVFDKDVAVVFTTEREELGLDLDAQRKLYDVLNENPRNL
			LSVGNGPQFDQTTHFLPIGLKEPKWPKMMTTSQREGNSGGKIQIEMLT
			VPEAGPHEEWSQCQIEQIASDLTTSQNSIRNSQSQQFKKGDPVPC
6749	95	719	QIEARLSTISXVQQXPYRCNECKQ
			RIIEVKCGDGVCPVPRGSPQSQQFPSCAGGNGPSCAGGNGPSCAGG
			SAGGGCPCPAAAGCCGPGGASCSVGAAPGVSNFRNLBVLSEKFDKAF
			VVDLILSEIDTPQDQADITYEGQKNTMISLSSCPAQLCHKAQVSQ
			INHKLGAEQLVDLKSLSETTFTQAERVVVLEKEVHDQQLQHSIQQL
			HAKTGGASDSTGKAKLGSVPSEELERELEL
6750	3	428	SCESRFPGAKWVNAQSGALPRDTTGLSSEPFSSDVAQSNRAATGT
			TAPCPHILLSELCDQKMEFLPCLMNDNKDLWVLEIYQEAEARMTR
			EFSKEPELMPKPTSQKURMKKRRISYVQDENRDRPDLRSRKRKS
			RSSCLSSR
6751	152	1417	PTKATATGAGSVKAVVVRPFPNSPBPSTPSKCLLQNGISSTTTIV
			NPKQPKETPKPSFSFTYVSNSHTSPSPDINASVQKPYVRDGEML
			QHAFEGYNNVCIPAYCQTCAGKSYTMGMQKQEDQOGGIIPOLCEDI
			PSRINLTDNNMSYSVVSMSYIYCERVDRLLNKNKGNLNRVRE
			HPLLGYYVVEDLSKLAVTSTSNDIQDLMDSGNKARTVAATNNMSYS
			SRSHAVNVIILPTQKREDAETNTITKVKSIKSLVLDLAGSERADST
			QAKGTRLLMEGANINKSLLTQKVVISALAMEDSGPNKKKKKKID
			FIPYRDSVTLWLRNENLGNNSRTANVAVSVALSADYINDELTSLR
			NADRAKQIRCNAVINAPDNKKLIRELKDEVTRLRDLYAQQIGD
			ITDMTNAVLQMSUPSSSSLALSSRNV
6752	24	1834	INCVUPFLQVSKRKFHSIDKQWYSHHICBHLERLNKQREAGPL
			CDCTTIVIGEQPKFAIRNVLASSEYFEGAYIYSTSENNVFLDQSO
			VKAADGFQKQLLFIFTYJTLNLDWSWNVKEIHDQKQKQKQKQKQ
			KIKMDEFAFIANPNTSSLEISIYTGNIELNQTCUCLTLTDRYNNRER
			SEVSTDILQNPKQGALAKKSSQTTKKKAFNNSPCTGQKTVQVQ
			PSDILENASVELFLDANKLPTPVBVEAOINDNSELELTSVVN
			TFPAQDIVHTVTVKRKGSKSQPNCALKEISMSNIASVVKSPVEA
			NSGEGEEDLQDRYSKAKPMCNTOGKVFHSASSLRRHRMVKQVCPVY
			CHLCKKAFTCQCNLKTHTVHTHGKEPKVYCXCLCDKGPAQKQCLV
			HSRMHIGERHPYKCDVCNLQPATSSNLKHARKHSGEKPYVYCDR
			C39GEFAQASTLTHVRRHGEPKIVCDCTGKAPAVVSSLITHSR
			KHGEKPFICELONQSTDIKHLKKKHTVWSGADKYLTDLSAADD
			HTLSDQSIQKSPLSPLSTMVVKPSDMTLPALPLGTDHMLLPPV
			TDTQSPSTSDFLRLRSTVNGYSEQPLIQLIQQQY
6753	2	1305	VPSLFYPPQKQVVAHTEFTTSDDSETANGIAKDPDVNPQGEEKAS
			PGFQIKLRLRTNTSYSLRNCDDQQAQKQKKRKSSTCDSDADGPANG
			SARGEKEMEGVALKIGPSLPSERKOPAPSTRDSEAFSSRSVVE
			AHPGPPPQASSOTPAPEHDKAANKMPLAQKPALPKETSQTPPAS

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			PLSKLERYFLVELLSRAGRPPDPSEPSKEDQESSDRKKPPSPP GPEERKGQRDEEEBEEATERKPASPPLPATQEKPGSGTPEAGRKE KPMQLQRSHSLDGSKLTVERTKETTAQPLWITLAQJGKGRZQQATR BEERKQAREAQAEKLKENSVSVOPOSSSSVSRAGELHKSTALP BEKRPETAVSRLEREQLKGKANTIPTSVTVEISYSSPAAPLVKE WSKRPESPDDAPVSSEPMWALAKRKNJWSCLPLIKK
6754	2	413	FVRRRRRLRGGPEVNTNSLHGSRIALFQDVKLKEPSLSTERKRE LSFSGIPCGEGGLRCLCWLILLNNYLPLERSWSTLAKQRELYAQ FLREMIIQPGIAKANNVGSEDVTDFEPHNPNPDRWNFTYFKD NEVIL
6755	298	1343	PDOLQVALEADWFIDMPGCRREGPSXQQLSRSALPSLQLTTLVGGG CONGTOLNRRNGSAGLVPPTITALITPGVPRHQCIPDLPVDCS LLEFFLFFPYIYLVALPIQYINITYKTVWVWVYPNHNPACTSNLFHL IDYFEFLAPICTVMLARLEIWLALISEATKAQGAASMHHYVNLISARL VLLTLCGWCVLCLVNLFRSHSVLNLLFLGYFPGVVNLPCFCFHQ DSRAHLLTDYHVVVQHEAVESASTVYKQDQKPLLSLLESL KEQFNNAATPPIPTHSCPLSPDLIRNEVCEKADFNHRIKEVLVPLNS LESAVYYAVPLLCFLCVKVSQYGLTPCMCFLCDVNYYINWVH
6756	180	754	IETALQSLPLSTIPVWSGLSTLAKYQOPLRPLPKVLLCIVTCVQCD LRSLOLQPQKGRQSCPLRLVYGLQCTGAATTCGLRDLTCKELLILTE REIQKBRKKRKEKECSMALTGCPFLITFDVIAIFPSQEZWWKSLDPPVQ KALYWDVMLENTRNLVFLGKDNFALEVCKICPRVFLYFLCLCSWE PFHYLTDTTEALLTH
6757	2	459	NSRVEAPFAHSRESQSGSDAMRHISWWNLATVCNLLFSHLSAVQ TRCIKHRIKWNKRKLPSTAQIITEAQVAQNPGKQGRKLID FGAGCNRYEAEINYWCPDQIHYNCGSCBANVTFRAVFIICINATQ ANQCGEFQPKDNLJLHQOQVLW
6758	1	1008	ASCPDLPGRFRDRAPLDPPLPARILRGVLAVWVSLSAIGPGSFCRR RVPSLAQGHRAAASPDDVRNSRSPVDRPCEERDRAWPPPPSS LPPSPFRRMANNNSPALIIGNSQPHQCAAAAAAAQOCQCGGAGATK PAVSKCQVNLLPWNEKTMNLPMLNITLSEPVFKVQLYELK TYHEVVDIEYFKVTHVTPWEGOSRKTACGTGTCMGCVGVRVGTGGI VSTAPCIYLKLFILTRKQVIGLHTITHDTSPIYRALGPWYIRYT QPTTDLMWFEPSFLDDEEDILDVKAQGCCVMIGEWSRFLTKE WPSFLPPIPVPVQKNDQO1KTPRKE
6759	1	513	RKUNHISLDOTSTTAIAFWPTQGLBLLSSPVFORKTQSQGCFDLDSS LILHLISFSRSRSPRCPLNIEDDPDTHKRPFLSSAPPITSLSLIG MFEEQKBRKQHLSLQVLPWVQDFTAEWAGSAGFCPTLWVPLVVEFSY SVSDDNAPSYYMGVITLIESLGKROYRVPVPSSTIQVVCV
6760	239	605	VLSKKKGQIISAEKKRTMRMIFSETKEVFLKDLDEAKPEKCIIT AMSVKRVLQSLVDDOMVDCERLCTGSNYYMAFPSKALHKKHKE VLEVKRQKQHQSQHQSQKSIIEKAKIGRCBEBRT
6761	29	1733	ERTLRKGIREPAFSDVADAWSRKGRCCCCLHCITCQVAODPS SSSSWRCELSLFGSLHMTMSKUKVNVNSVAGCADDALAGLIVACNP NTQLIQCRRVAlRSRDLDSLKGRAVALLSGGGSGHGEPAHAGFICKG MLTGVIAGAVFTPSAVGSLILAJIRAVAJQAGTVTLLIVKMYTGD ELNFQCLAREQAAAGCIPVEMVYIHDSDAPTVLKKGRGRLCCTV LIHKGAGALAEAGVGGLIEIAKQVWVTTQHNGTLLGVSLSLSCSVPG SKPTFLSEADSVELGICIHCEGVRARIKWAJADEIVKMLDEBMT NTTNAHVPPVQBGSSVMMVXRNLLGQLSPFLBLGILADASLSELG ROVKIARAJLUTPMSALEMPGQISLTLLVDEPLKLIAETTAA AWPNNVAASITGRRRSRVAPEQAPUSTAAGGSASKEMLALV ERVVCSTLGLLEEHNLDRAGODGDCGTSRARAQIQEWT PPBASPNQJLSSLKSLVLLLEKMGSSGALYQFVIAAQPLAKKT SIPAWSNMDAGLEAMQKYKGKAAPGDRIMLDSLNAAQCEL

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6762	3	613	ASTISWRLCVAAGAAARRPVVAGERAGGGAAWFMVYLLSWLSLFITQVAFITLAVALGGLYLLEIEEYTVATISKIYKMFIASTAVLIGDVYFEEFTPSMIGVGLFTNLUVFGLLQTIPMTLTSPLFLSCGDVVNNHLYLAQCFKAHEYYPPFSHVLYAFTFLCIWLIPIPAFFVSLSAGEHVLPLSTMPQGDVWSVNFYFTKGKRKG
6763	2	760	SGDFPFGRFRGCGGCVRPPACAJMELGGHNMMSAPRLDVSREKKEQTKTGTTEBAASGAVGARFLICLVLQGLFLDLFQVSMVVPILSLLHVKSLQGAPSTVAGIVGSSSYQLQLESSTLVTCGWSDVVGRRSSLACALLSATGYLLGAATNTVFLVLRVPAFICHTLTSISRALLSDVPEEKERPLVIGHENTIASGVGLVPPGFGVGVGLTELEDGYVIAFLCFLVFLINALGVLWFNPFRREAKPGSTE
6764	80	438	LKIDDMVNLVSVNLBQBLVRVBEILSEQVPIQIAQADDEDFPRKKWQRTDHBLGKVKLILLNAKTERBSALDWKLKHARQVWDVEIKRROPAEADCEHLERQIQLREMLNCDTSGS10
6765	3	550	ANYSRVDFCRRAZCAVARAPRFLLQFVSSPSRSRHIAACVARWLRGSVLVSSEALSGSAMDGIVTEAVGAVKGSDDELLSOSVLSSPNSNMSSMVTFANGNDSKPKGRDMKIGAPSVKLWHIRKLPGEVETETEVIALGLPFGKVNTILMELKGKNQAPLELATESSAIIINGYYASVPTHLRHO
6766	1	1287	EGGSFASLTLWPLGEMKINCEVEVISRLHPALGLRNRGKGVRAVLSLCQTSRSQPPVRAFLLISTLKDKGTRVLERNRIQOFTKFVDEBEGTTRLKEPPVDICLKSANSSSLKGFLISANLRAHCQCNVDPVSTLTVPVSESEFNFKTMVITSKQDPLSKNNTYSLHESLTSQYCLVRVDMRMCLCSLRLKLDLHSNNHKDPLKPATIDGLIHQELNLBUNHLSFSVNLCHSTLOKSLSNLSKMKLPLVQFCQQLQELNLKLNLDLIELQFPCCKIGQLINLRLFSAARNKLPLFPLSEFRNLNSLEYLDDLFQNTFEPKVLPVILQAPLTLLESSARTTILRHNRLPYQGYSHIIPPHLCQDLDTAKICVCGVRFCIANSVQGTTTMMHLHSVAVTVVVLNLDLGTEPPI18VFCSLSGCYVNNSSDI
6767	336	919	APWICLCCSLLQFRYKEAFIHDHRGLQIGVCSVDDDFPRMKFLNVGRQDSEYKNDKQFASPSQFHSSDTPQGLQAKRSQQLASDHYYRQLPQTPCIPQQLGLRHQAQKHOLOSDVYKXEDLNLTRGVGWTPIGSYKUVMARAEALANRGLLQGQAYRGAEVNJDHQGSEVNPDTATLHVKKKALL
6768	2	363	PGTGTSCVLSGQFPLCHQVACCEDEKHKHAFMTEKLRARFKETLRISPTDLSGCCPCGCPCP1PKPAQRQRQSGWDGKRSERILQAVENNDAPRVAALIARKLGVPTKLDPEQKSAPFH
6769	284	396	MSTDFSTABEQLQELANVSCSLMLMTLMLQANGQAD
6770	1	397	QRNYQVINSSTNAJIDHYYKDEVVKKRQMTFENYNSWQVPRVEKITLNNGVGEBAIADEKLLDNAAAADLAA15QKPLTICKRSVAGFKirQQGP1GCKVTLRGERMEFFPERLITLAVPRIRD7RGLSAKS
6771	3	378	APAGTLLAMTGKSVKDVRYQAVIANLLEEDNKFCADCQSKCPRWASNWNGVFCIC1RCAGIHLRNIGVIIISRYVKSVNLNDOWTQICOMCQENGNGKANRLIKEYLPETFRRPOIDPYLFWSNLRG
6772	1	1400	AAAEFLQGMTCVNGFINTVITSLJERRYDLHSLVQSGLASSYDIAACLLTLPVSYPGCGG/HKPWRWLQWR,VLM/GTSILVFWLPHPTAGP++GWKLDAQVETCPANPR/PVCAG/HTSGL-SRYQVLPMLGQPLHWGQGATPLYTLCVTLDENVKSSCSP1YIYLAFYVTLGPAAGYLIQGALLNLYTHMRGATWTTESPLNVGAWHVGFL/GSGAAMFFTAVDILQGYPRQ1MPCGQQRVAVWVQAMQSLQGSCAGHNTKETIDOLFLSIWLLLNKNTFILLCLAGAATETALITLGMS7TSPKFLESQFLSASEANATLFGYLVPAAGGGTFLQGFGFVNVKLRRLRGSAVIFCFLCTVVSLLGLILVSLHICPSVPMAGVTSAYGSLLPSCHNLNTAP/CNAACSCQPHIYISPVCGSGDGLMYFSLCHAGCPAATEINVDGQKVYDRDCSC1CIPQNLSSGFHGATAKCTST

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6773	1	630	PWBAPVKGHRKTYKAEEHRTVVLTIVTGECHPF/PQYHQRQLYHKCTHKG RPPGQPWCAATTGPPFQDQDRWGYCLESPLVKVHDCKSPLCQPKGGGT CVNMPSGPHCLCPQHILTGNCQCKEKCFFPQPLRSPFHKEIWEYWT EQAAAVARCCQCKGPDMHCQRLASQAQCRTRNPLCRLGCRCLEVEGHLR CHCPCPVYTTTCDVGEVNGSASRRPAPRWDGLAR
6774	146	389	LTELSDQQVFLPPISS/WVPIFLSMVDGRVKAEDFSKLISS GLRIGFLTGPKPLIERLHLLICVOSTLHPSTFNQLMISQ
5775	104	614	TSPQSLRVTIATGRGRAPSPQFLWTLVLAILEEKWRHSHIRELNNS GRPETMENLPLATYTFPGEVAMWTDYGAIPKIPCKRKQGLVHRT HMSSCRVLPKPGSEIIVDQGJXRVWWKLGRBNEKNDIKVLSLMKVNN QTGTGKLDPPNNV/SLSKLRKGDDPSRTRITGRRSPLEL
6776	3	1108	HHSRERHREGALSDALIEI151PDLDSNVNREKFRVHPWQWOLHH LNQTPNTSDAOMBCPVCDGNVWDR18F85T7VCEMDLVCDSQSL TSVAKXPVPMAGMNVGGILGGHLSRDGRFRFLRWCYLQVA1VGT QRALATPLFLIVYCSLPLPSGLIAAMSLINTTMIAFLWVQVYFV1FLTS SGAVSWDTPDQNDNGKPEPVULSFLPKCDTNQVSLPSLPLLG HCLPVSVCFLSPTESSGRGRGAGPSLGSFRHVHLCRCLQJWMC GGGARLQNP**GPRARKE
6777	779	63	CPTFHGPWAEDECVRATKCRFQGSGIISPAQPLYACGASY GRSILGILYAWDDGSPALLGHGHOQGIITHLCFPDNGRFFSGARKD AEILCNWDRCSGYPWLMSLGRREVTTINQRIYFLDPQTLQPVLSGST SGAVSWDTPDQNDNGKPEPVULSFLPKCDTNQVSLPSLPLLG HCLPVSVCFLSPTESSGRGRGAGPSLGSFRHVHLCRCLQJWMC GGGARLQNP**GPRARKE
6778	311	805	I051TDESRSGSIRRNKPANTRRLRNVP/*ETADGSE//ERS/TEEB VQADPRIRASASPCKTCPTSSPPFKPGSPGEGGDT/DEPKVWHFPGP KDK/VAEAKN/KEP/SPVSSRGKIDPFSMPDEWEHNLAQSNVRMKH T/AVRLNEVIVVKKSRDAKLVLVNNMPBGPNNRNUDENY
6779	2	535	RALEBPPPLAANGIIEPEMSWAISRPINGKFC/KEELSLALKP MAKACWKGKPEPQCDARACAAQSPOGASEDODDGHESESPKKKA AVHSAIMNAPMRKKKVKSLGPVSYLVLDSEDRKKVMPKKGCG SREASDQKAPRQGQPAEATASTSRGPXKMPGSGPRATNE6RKK V
6780	3	403	HEWHDNKPEINNLMSPGKEELSTYFEGDFID/FVALWVWQKJD SGJNLGEIVCILHGHHGRFKLQKTYENNLYLITNATLDRKRSYS LTVIAEDRGPFLSLSTVXHHTFTVQINDINDPMPHXRQYEFVISE K
6781	1	1269	APTRPVFVTLCQSLSSKEFNSN1LPHSENLSLHCCSSLVH/HELSSEVS SNVAPSIPVPMGRPVSSSS1STPLDPNQNTVFTVSPNPLTTSANT SAAL/ITHLQSLAMSTVV/IMPNAQSKVM/WSECGQAAQSNARPQFI TVTFVFINSSSIQVQMGSQSTP1PAPLTINNSGLMPSPVAVVQPL HIQCNKSSAUVPPNALLSSPAPN1QTGRELVLSRSSATPQVLP SPCCISVUVSHPPVQVQKELNPD/ECAGCQVNTSADQNTL/PSSQ STTMVSPSLTNSPGSSNRSPVSSSKKGKGVDKIGQJLLTKAC KKVTSLSKEBEQVQGADTEGQQLDTTAPQGLMGTEQLSLTELDS KTTPTTAPATLIMSPVGPDTQASGSPSLPGCGLALPTSRSV81VTT LVVSELSIAUPTTKNNGGIJASESLAG
6782	3	1327	RKTF1IIP1PAKPGKLLIEPQGSPPPLPAKPG1GN1FSTVSGKGLKS MVEVTRALHNPCCQTCGFWVNPVPRLPDPWPNGK111TCCQGPPTK VPPER PPPPKL5A STRRSNKKL PFPNRS SSSMDLQKQSNL ATGLS KAKSQVFKNQD/PVLP PPKP/KHPLYSKYM/LSPVHQIANED1V8Q NGDELSCKRGDVWMLQ/TENNYL ECQKGEDTGRVHLSQKMLIT PLDEHLRSRPNPFSPPPKAPSHAQKPVDSQGAPHAVV1LMDPQARQ

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			DDLNLTISGEIVVILIEKIKDTDWYRGNCRNQIGIFPANYVRVILIDPEGGNGKRCVSSHHCKGSRCRVARPEFYIGKQDDELSPFSCEIIILKEYVNNEEARGEVGRGRTGIPPLNPVEPVEDYPTSGANVLISTKVPLTKKEDSGNSQVNSLPAEKCEALHSFTAITSDDLSFKRDR
6783	3	1750	STHIIHHAQQSAASPNLTAQSKVTTTMTTTLPLVLVKAATAIMPVASVVCORPTIAMTAINSQKAVL1STVQNTPVNLQTTSKVTGGGAEAVQIVAKAENTVILQVQATPPQPIPKVQFPRPLTRPENFLPQVRRPKPVQAQNPIPIAPPMPMLAPQLQRPVMLKFTPTTILPTSONSIHPPVVRVNVGQTIAKTFMAGTSIVIATPCTRLAGPQTVOLSKPSLEKQTVKSHTETDEKOTESRTPVLAAPKOKREENPKLAFWVSLGLVTHDHLLEELIQSKQRERKRRTTANPVYSGAVFEPERKSAVTVLNSTMPTGTRKRGPKYKNAVLFQGALPTSPQSHPDSPENKEETTTFFPAPVQPVSLPSPTSDGIDHEPDFCSCVRSKSQLLMCDTCRSVYHLDCLDPPLKTIPKGWICPQCDQMLKKEEAIPWPQPTLIAIVHSYIAVKAACEEEKOKLLKWSSDLKQEREQLEQKVQKLNSISKCMEMNTILARQKEMHSSLEKVKQJLIRLIGHIDLSPKVDSATVGAISNGPDCTPPANAAITSTPAPSPBSQSCATNCNQGEETK
6784	3	1750	STHIIHHAQQSAASPNLTAQSKVTTTMTTTLPLVLVKAATAIMPVASVVCORPTIAMTAINSQKAVL1STVQNTPVNLQTTSKVTGGGAEAVQIVAKAENTVILQVQATPPQPIPKVQFPRPLTRPENFLPQVRRPKPVQAQNPIPIAPPMPMLAPQLQRPVMLKFTPTTILPTSONSIHPPVVRVNVGQTIAKTFMAGTSIVIATPCTRLAGPQTVOLSKPSLEKQTVKSHTETDEKOTESRTPVLAAPKOKREENPKLAFWVSLGLVTHDHLLEELIQSKQRERKRRTTANPVYSGAVFEPERKSAVTVLNSTMPTGTRKRGPKYKNAVLFQGALPTSPQSHPDSPENKEETTTFFPAPVQPVSLPSPTSDGIDHEPDFCSCVRSKSQLLMCDTCRSVYHLDCLDPPLKTIPKGWICPQCDQMLKKEEAIPWPQPTLIAIVHSYIAVKAACEEEKOKLLKWSSDLKQEREQLEQKVQKLNSISKCMEMNTILARQKEMHSSLEKVKQJLIRLIGHIDLSPKVDSATVGAISNGPDCTPPANAAITSTPAPSPBSQSCATNCNQGEETK
6785	1	528	LQNTVLYHCSMYSKPLKLLLRLSPKTVDTVAQGETALDAKRLKATOCEDDLQSAQGOKUNPHVHVEYNUQRQESIDEDSDDDDKSPVUKKERSPRQSPCNSSSISQDQLALPGFSTPDRQKNSLYGAFINTIVFVSTDSTSPTTEAPPLPVRACKGPTOPITPRH
6786	1820	1397	RSPKVKLVLAAPTRELAHVSRDFFKOTVNNRQVQVSYQSOINHRNRGIDLWLGTPTGPKRICKHDLQSGRLLSKLRVHVLDEQOML DLGFAQVBDIHESSYKTDSEBDNPQTLQVWYVTTVAKK YMKSRYEVQVLDGKMQKAATTVHEHLAQCHNSCRPAVTEJVLQVYSSGSGRAIIFCETKHNTEAMMMHICDNQCLHGDIASQSR EITLKGQFRGSGFKVLAIVNAVARCLDIPPEVLDLTVOSTPQCVES YIHSRSGTGRAGTIGICCFYQPRERGCLYYVECKACITFXRVGV PDSMDLVKXKNSMDA1RSLASVSYAADVFFRPSAQR1SEKGKAV DALAAALAHISGASSFEDPSLISITSDKGFVTVTLESLEE1QDVSC AWKELNRKLSSNNAVS1TURC1LLKGNNMGVCFDVFTTESERLQAE WHDSWDWLSPVPAKLPEIKEYYDDNTSNSRSQSGNSGRSGRSQSGRSQGSGGRSGRSQGSGRSQDGRRSGRNRSRSRSGGHKRS FD*VYHLLDFLSDFLVDSVYLIGQIDHUTLQTLGJLDMHUTSHS SVWN
6787	2646	2270	FSSFPNNVPLEELEEPFPKRSGLSLTPKSQ1QNGF*PQTFPPF FELGSPSPGVISIAHCNRLIGLSSDSDPAPFASVAGLCHGCHANI.LLVFLVRMGPHHVQAGLKLTLT1VHEMPMPKVKLGQCT
6788	16	936	GOTVDLR(DMLAVS1VAAVRRGR/ATVRRVRESNV1LHEKSGKRT REGAEKDMSGDLVSLNRKMFYLLK1A/PSPVQINTEEHV/DLQ

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			EVLLWGS*DS*GYRKQKLLKEVSR/RVLLSGLTPLDAEQF/FTEDLSK/VVTIMVCVAWNGKPMVLCV1HK/PSEYTAWNVMDGGS/NVKARSSYNEKTPIRIVSRSHSQNWQVQL/QTFTGQNTTIIIPAGG/AGYKVILALLDVPDKSQEKAADLYHVTYTKKWDICGNAGNIALKG/GRMTTLSGEISYTQSDGIEEGQLLASIRMMNHQALVRKLPLEKTGHK
6789	2	678	GNGINVVLKIAPESAIKFMYAEQIKRLWW**PGDS*GP/YERLVA/GSLAQGIAQSSTYPMVLLKTRMALKRTQYSQGMIDCARRILARE/GVAAFTYKGVVPNMLGIGIYFAGIDLAVETLKNAMLQHVAVNSAD/PGVFVLLAGCTMSSCTCQLASYPLALRVTRMAGQSIEGAPEVT/MSSLFKHLRTEFGAGLYRGLAPLNFMKVPAVISYVVFENNLK/TLGVQSR
6790	2	4068	APPAQRGRRMRQAAFPAGCQAALLIWIVSSCLCRAMTADTSQKCD/BPLVSLCPHPVAFSSSSISGYSYPGYAKINKRGAGGQWSBSSD/HYQWQVDFGNRKQISIAJATGCRYSSSDWTDYRMLYSDTGRNW/KPYI/QDQHNWAPPQNTINSNDGVERHELPKIIARYPVRPRNPKMKTLCVVI/ALNFKTSSEBEGVIIH&EGQQGQDYITLSSLKKAKLVLSSNLGSNQL/GRIYHTGSWMTGSLLDHHWHHSVIERQGRSINLTLRWSWQHFR/INGEFDYPLDYLZITPFCGIPFSGKCSRSSKFNFGCMESINYNG/WITDILRKKALEPSNVGNLFSWCETYTVVPAFTSYLEWPG/RNQDLFSSVSQFRTWTFPNGLLWPSHFADNLGNWEIDTLESKVG/WHNIITQTM64IDISISSGGLNDQWHEVRFLRHNFAITLTDG/DEASAVRTNTSLQVKTGKEXYFPGFLNQMNNSHSVLSQPSFGGC/MOLIQUVDQDLVRLYEVAPQRKPGSFANVSIDCAI1DRCWPHNCE/HGKGCQWTDSFKCCTCETGYSGAATCHNSIYEPCSEAYKHGQ/TSKYWWIDPDGSSGPGLKLVYCWNNTEDKWVITVSHDLQNGTFTVVG/YNPCKTSVQLVSYASMDQMISAI/TSDAEYCQVTCMGRLL/NTDQGSFYTWWVGXANEKHYWWQGSFGCQKACAGIECIRNCITDPK/YYCNCNADYKQWRKDAGFLSYKDHLPVSVQVV/3DTDROZEAKL/SVGPBLRCQDGRNTWNAASFPPNTPSYSLIFNFSFQGETSADS/IFSYFK/TATPWFVGLFLEMGMKEDFJKLLELKSAATEFVSFDSVGDWVPELIVVR/SPTPLNDQWHRVTRARVNQKASLQVLRPLQQIARPK/TEGHTRL/EIYSLQFVGGAGQQGQPFGLCIRSLEMMNQVTLLEERAKVTCSEFI/SCGSGIITSYOTNCIAGNGKCLERYHCYCSGCSNTAYDTGCFKXID/WCAFE22GNMLRBYNCPAPATNABDSSGRVZDPA-PQCNQSHDPLAQ/EEIRFSPTTKAPCILLYISSLFTTDFLAVLWPKTGSQLRINRILG/GTREYINIDVDRHNRNANGQFESWNTIRTRHEKQFVPSVSY/HLPSSSDTILFNSPSFLFUGKVISTGKIDQSIHKYNTPTGP/TGCLS/KVQFMQ/APLKAALKR/TMASAHVHQI/GEVLEVESVNRSSAIIGGVI/A/VIITPTSLCTF/VLP+SR/HVSPHKGUTLP/PI/NEAKGSRQK/KPGRFRSMNNDPFTSQRPIDESKKEWHLRGGYIANG
6791	1801	1193	TGHEQAKGEGKDGGDLGRGERQGKPFGEKGKGPPIP/PGW/SAVW/SWLT/AASTKVQ/ALLLPQFLE*1GQ/LQIA/FMASIATHPSNQ/NSGIIIPSSVETVNIGHNFDVWTRGFGAPVSGVYFFTSNSKGHEEV/REVYVYLMENGNVIFS/MSYIEMKGS/DTSSNH/AVL/LKAGDEVW/LRMGNQALLEGDHPTR/FAFGPLL/FETT
6792	33	1073	VRHTNNNGD/HML/LSLGZ/SPFK/AGIH/1VSTEKTIL/AVERNR/KVLL/PP/WHITTS/WSG/FDD/FS/CC/LS/ASYGS/DKXV/LT/PELN/A-MGR/CL/C/AV/CP/SP/TTT/VTSG/T/TT/UV/CW/EL/S/MT/KGP/R/LRQ/LY/HTQ/AV/TC/LLA/S/VT/FS/LL/WS/SS/QD/CT/CL/MD/DH/L/H/VT/RL/PAH/REG/ISA/IT/IS/DV/ST/GT/IV/SC/AG/HS/L/UN/VN/Q/PL/AS/TT/AM/PEG/AT/CC/C/ME/B/G/PA/NT/DS/Q/II/IT/GS/QD/GM/V/R/W/T/V/C/ED/C/VS/TA/S/RR/G/AG/SA/S/KP/KR/PQ/G/HE/P/LS/R/AG/R/H/CD/F/RE/A/Q/NQ/P/P/VT/AL/AV/SR/HT/K/L/V/GD/ER/G/RF/IC/W/S/AD/G/E/ER/G/RS/G/IT/V/PG

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6793	2340	805	GRKEANYLYGSLTQAGTVSLGLDDEEGQEYVFVFFSAVLPVWAPNDLIVFDGDISLSLNLAEMRAKVLWDGLQLCBLPMHEMLRPRPSVYIPEFIAANQSARANJNLLPGSRAQQLPQEIRDRDERRSSALGXDVIVLWTANTERFCVEVIPGLMDNTAENLRTIELGEVSPTLFAVASIL6GCAPLNGSPQNTLIVPGALELAQHRYFVGDDFXPSQQTKVKS6VJUDPFLGSCLKTMSIVS1NHLGNDNNTGKIVGNSAFLPQKREVKSKSNVDDDMVQSNPVL1TTPGERPFDHCVVV1KIVPVGDSKRALDBYTSELMLGCTINTLVLHNTCEDSLLAAFIIMLDLALLTELQCRQSVFCTMDDEPOTFHVLSLSSLFLFKAPLVPGPSVNVNALFRQRSCSIENILRACVGLPFCNMRMILLEHKMERPGPSLRGPVAATYPMPLNKKGPPVPAATNGTCGDNANGHLLQEPBPMPPTT*PGPHHTVSRFLPAPADHDPTLKAPTNNKGRCHFSPSTWGSGWL
6794	169	1349	DPVKEPEASAH*EIPGPPSPRPVGVRGRERAGGRGSHGHSRCSRSPAPAPAPAPPEDHEDEEMTIDIKSFLPQKERTYDQCFRLFGVNLPTDITTEDPKRLEVERYGEPESEVFNINRDRGFGFPLRLESRTLAEIAKAELDGTILKSRPLIEIRFTAGHGAUTYVKGSLPVVSKNELLCEAESQFGVVKAVVAVVVDLDRGRATKCFEVFEFAAKPARKARLCCDGAPFLTTTPRFVIVBPMBCFDDEDGLPEKLMWKTQGYKHREERQOPPFPAQGPTFEPEYSAHNSKALDERMEKQQR3QVDRBNREAKHKELEAEKSAARHHEQQLM1NRCQDLMRARQEELRLRELBNRQLQSKAQIQLRHEEHRREEEHMRBQCEWLRQCQEQ7KQHNMENYVCHFLR
6795	1740	1010	GPRKQTQVRDHEDSF*DWAQAEITDCQNQNSGR*K3V/LLENFSMTSKSAVRLSLLDLSNPLCEQQDQLLNMVITALDXTAKMRKDFAQEKVNQ1Q1PEIPLKKGGSVFSLNMAVRRREQALQDYRLQIKAQVEKYEEKEBTGTVPLAKLHQARESELRLRPRDFEAKNQ1LLEEMPRFYGSRDLYFQ9PSFESLVRQAVVYYSEMHKIKGDLSHQDQGIESDEQRERNEAKLSRLLRALSIVADD
6796	48	683	GKEIQTPIKTLKALMLFGL*FVGALGKGVGSF**SHVALGQGWLTAVRVSNNWRNLCVSAQEVWSQRSRA**SSPQFVGACPSLNPNPETSVCBGRCDCWQR*LPFLSALSALVGQZFGCWPGQGRPERCV*PGRCGMHLSQSVL*ERRRCCRCLPRAFA*GMRRIORLGLHJHAPLPLGSTSPPHPEGNSQCCR*GNAAE1LRLPSSVIL*GKLG*
6797	1620	211	TERMTPSQSPTRGSSCTRPSSMLWISTRLCLCAGNEMCWSGVVTLQPAQQLLSASGTTTEATWTRPFTLHLIRWLLTASRVDPPERPPIPSPDYLTLSSSSYXKL/DQIPO/(DSMSPPTSG*RPLTSSRAS1TMSR2AIPEAS*SRLLTICHT*CGS8PACRPRPT1SRSVTPVSSSTTTA3G8CLTWSSSPAPCPSSSSPAHSEFASCKTSLNGSCGGGIGGSACGSGWNLSMAGTSQFSSPAPCPSSSSPAHSEFASCKRSRSPRTWRATTSNASSWAPRRCWCWHA*SAT*PSSTTISSSPHOGWPCPASCASAAALSTTATASAVGQSCWCOPIM*PASWPCMCASACRCSRSSRSPAPTPPSIIPAQNQQRASCRCPTSHSARTAPPASSAACARPAFAAABEGTPRSIWCW
6798	3894	1696	STLWESLESWLNAKATPNSNQEDWYI1GFCDQINKELEG*VSALWQLRGSSEGRGTMTKRGQPSFRLSALBECVLLVQV/PQJTAVRLLAHKIQSPORWEAIQALITY1G0RVSXKVTKV1IELLYSWTMALPEEAKIKDAYHMLKQGQIVQSDPP1PVDTTLPLSPPPRPNKPVFDDEEKS1KLAATKSKNPDLQ1EANKL1KSMEFEDRARIQKVTKKLATLLEEVNNNVLRLSEMLLHYQSEDSQRDLRMLKEFLFDCQENKRNTLKLASRTERDNDSL01LQASDNLGSRVINSYKTIIRQQVINGEATLTLTDQ3EGNQSCSNGQTL1D1A2LDTTWNSLSSVLAAPTPPSSGICPILPFPQQSASPGRSSSSQEAETLGPSPSTSNAWSLDEHLLCIGLIAQDAPAVNPVKESAGNSWHLLQPSAPSSSSQAPLPPFPFAPVWPVAFSPVAPSGAGSSLSFTGVPALAPKVRPAPVPGHGLAGCNSALHHLDLDCQILSEAKVITSGLKVPTTSPLIPTTTPARPLLPFSTGPGSPLFQ

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			PLS[QSGSPPKPKEPLSLAS[HVPLESIKSSPFLVATDKNGF[RILHFAKECPGKGRPDVLVVVVSMSMINTAPLPVKSVIQLQAAVPEKS[MKVLRQPPSGTELSPPSPFQPPAATVQMLLNLPEKEVRLRYY[KTFALGEOLSTEVGVEDQFPVPPCQWGNL]
6799	3894	1696	STISWESLESWLNAKTNPSNQRQEDYIIFGCDKINLKELG[VSA[LMQLRGSGLGRGTMMAKEGPSPYRSLAECLEVLVWVPO]FOIAVRLLAHKTQDPOEWAALQYLTYLGRDRSEKVKTWRVYVWV[ALPEEAKIKDAVIMYLKRGIVODSPDPPIVTRTLIDSPSPRFKNVVFDDERPKSLKLAKLXNSKPDLQOANEAKLXKSWREEDAIQKVKTRHLTLEEVNNNRVLLSEMMLKYSQEEDSSGDRELMLKELDFDQENKRKPLPLKSLSETEDUNDSNLGQDILQASDNLRSVINSYKTIIBGQVINGBVATLJLTDPSGNSQCSQFTGDLIITLTTTTSVSSLA[PAPTPPSSGIPILPPPQASGPPRSRSSSSQAETATLGSSTSNALSWLDEECLGJGLADAPAPNVPKESAGNSQWHLLRQECSQDLDFFSPRPGTAACGASMDPLQCPSPASSSSQQAPLPPPPAFVPPAVSPVAPSAGSLSLSTGVAPALPKVEPAVG[HMSLNLGSNHALSLDADQLLERAKVTSGLVKPTTSPLIPTTTPARPLPFSTGPPSLPLQPLSPQSGSPPKPKEPLSLAS[HVPLESIKPSSALPVATYDKNGF[RILHFAKECPGKGRPDVLVVVVSMSMINTAPLPVKSVIQLQAAVPEKS[MKVLRQPPSGTELSPPSPFQPPAATVQMLLNLPEKEVRLRYY[KTFALGEOLSTEVGVEDQFPVPPCQWGNL]
6800	404	1646	RSPSTGILSPV[PSPSPSSLDYTSIPWSSLLSGTILWATPGK]AG[QWA^LGLALAPAI^LGLTRQKNCNEKEAEGGSQDVHDADGCSCGARYNDNSDDDEDNSNEKS1VLYVPPHRN^IGTEAGTRARRARA[RATRAARRAVOKRASPNSDDTVLSPOEKLQVULVCEVMSKPYLDEAALIALGRRNAAYAFRDXIIRDLQGLP^IVAKIENTRD^IVKEZALIVLNLSVRAENQRNLKVYMQVCDDTTSRNLNSVQLAGLRL[NTMTVNEYQMLANSIDFPRRLSAGNEESTKLQVLLNLINAE[NPAMTRELRAQVSSL^S\SLNFKKENKEVILKLVLLVIFENINDFKNWESENPQTQNGEESLFFLKEFOQVADKVLGICSEHSDHFVLSVKGKPMKALAEIMPKQSI
6801	2	1755	SAREFESQASVMTMHDVAESFVVLVDVYCTGRVSLSEANVERVYAASDMLOLEYEVRAECAFSLRRLDNTCAILKPADFGHKLRSQONSIYAOFNKOLSLHGS3IRETLDLADLJLQALLVRLLRDSLDSVBSQYVTCVAVQMLAAKPERQPSAAVEKVCVRHMIFPBDQDQLY369LLTIPKIVKVKYCLDVIEGALQMRYGDLLYKSLVSPVNNSSS/R^QOOLSCICLSRSTPETYVYQCOGDGLLNTPQRLSLR^YRDPYSDGDIYIMPSPLTSFAHTKIVTSSAVCVSPHDIYD1QPRKDLWVYKPAQNSWQQLDURLCREGNDVAYLNGYIYIYLQGKD^ITGVKIKEVPCYSVQRNQWALVAPVHSFYSFLLVYQMLYNAVNSKRMLCYDPSHNMN^LCA5LKSRSQFQACVENDSIVYCICD^IPVMVKWVYFARGENRRIISIPLDSIHNQYIQUHNCQKL1ITSTT^PQNRKNGV^WVYEDTREDQWINTGMLGLQFDGSCFICLCARVYPCSCLEPGOSFTHEDDARSSESSTEWLDLGFSELNSSESSSSFSDEBWWVQVAPORNAQDQCGSL
6802	157	1341	ETFPGLLFLSLKPGTASMAHWFVQGTSMRQIAASSTEKHCACEPSTRKLNMSLQSLKIRLCELKQMRKELVNEVQWQGFSKSLYERKVAELKTLIADNLKPERLTSRECKPHOR^KDRD^QREDRQDRLTDRDLQREBKEKAAERL-HELKEEKMUKLQKNTLIAKEHEKVEEI^KLKLNLQDALNKICS^FSEDCDLKSKRKFVCF^CHEKRTMSMEVLXQVOVIEEDFKKERSDNERLNQSKKEELQGQINBTQSQNLNRLNSQ^IKAQCMQKKEK1^EQLQJQMYCPCPQNGLVLVHQLQPWVTPGAVQGKREHWP^DQWYQALDQLP^WDQVHKAN^DCLAP^WPPVCCQAG/P^TPGLK^SSCLWLPKC^NPFRLKESPSV^EVTHNREQQATREG
6803	1	2203	KLSGPYRERMGWVLGTSKLSKLDIRKTYFTFTQ^I[DQCCFYLALDN

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			KHIVEMMLTDLSVLCSE/RWTGQFTITTPISIHSMLDEDGTILNS SILANLRRKMDQGVPGCARVQTGKLSEPLTTTCHLSFNDPGPE OKLYSEDYDDNYDYLESGNRMNDYDSTSHTARGCDEVARYLHDLL AHTAPEPKLAUTSQXGGGLDORFQAQVLTCDLISLVLTVKAELHVQ NIVMLYLPTKLFQPSKSPNLLSDSPHRQRQENQVPSVRLPDRD QSGEVVDKFALVCKETTSLSQADILYMLTMKGQWNNTWTEYN ERSATVRELLTELYKGKVGIEIRHGLIRYISIGLEKRVBEALDEAC TDLISHQKHITVGLPPEPREKTISAPI/PYAL/TQDLEASEDGN SISL/TQRMVYLMAYMAMRTOQGLFAEWFRLRGLIIQVMATEELA HSRCSAEEAATCGLMNLSPSAMKNUHNLLSCKGFKVERK/SVR PTDSNVSPAISIIEIGAVJATKTERTCINCLKEISIEVPERLRS ISAESQSPGTSMTPSSGSFPIASDQSSKSDRQCGQKQKQKQKQKQ ALNRWFVFGYCKWVKLVKCHGLSVCEFLVPSSTTREMPGKIEK FSVHIVES/VLNVLRLPBYFOLLVFVAILVLSKQKQKQKQKQKQ AVEKVIHANDLFLQEQTLLGP/DDDM/LAKDPAGS/CICLRL/YD SAPSGRGECTMTVYLS/RAA/ATVYQEFPL/HSCMCANO
6804	1	951	GSPGKKEEAKKNEESLCMENSSNSSSDEEDEETKAGTPTPTKKYNN GLEEKCKSKSLPTTYGSGFSEVAEKRKILNNSDRLRNQNSRAKCR KDVWSSIQGQNPKKTULKELFSDSDTEAASPHPFPAFREGVABES LQTVAEESCCSPVSEBKPVPPVNDSPKTEPTEVNDKRAEFP SSGSNFSA*IPLYVLMHNLRLHQS/*QKGSFQSSVTPSPLAPN QEVEVRISIKSETDSTIEVDVSAGELQDLQSERRE*LA*SR*CC*ZL KQ**SARTRTS*KSYLRSKESERCSGRKFTKIAKEKKP*/SNSGK QKQEGKGRHK
6805	1539	206	RQPDLLKYGKGSFDSVSSESSSSLNSDLPKFADGKARNEONYL VFSPVRLRLOHTAFPSCTSADIVIC//ECDSPESVNWQQTQKESP IEVHTAEDVPVIAVEWVHAISEDYDITETNSSEKQGDQTDDEPPA KLCKLIDKSQALNVTAAQKNPMLLRLANSGLYKCLCELSFNKSYFS DLQKHMILKHKRDSNVCRKVCKESFSTNMILLBKAKRTDDEHYPI CKYCDKVTKFPERLSCSHIADTHPSDHLVYCBOCDVQFSSSSKEY LHFQDBSHSCKDEBQLCFCHESTNDPDLHSHVNTFHLLTLELSD KVNGKHEQYSLLSISKITFDCKKNPFFVQCQGFRSLRHTNVHRH AIEHTKIPFHVCDDCGKGFSSSMLE/LXKJLHSLSHGSIYLCQYW HSTGQIBDLK1HLDKHSADLPKHCSDCLMRPONERLSDLPH VHETT
6806	272	3794	VALCFFNSDPVPMNDAFVGCLLARLGVPVFBVPLTRKDAGSQCV QFLLGSCGCVPLATTADQXKGFLPKAEQJGVEAFLFKGWPPLSLWV DGKHLAKPKDWHPAQLDTGTCITAYIYBZLQVWVQVTSV SLLAQCRALTAQACYSEAEETLTINVLDFKRDAGLWHGVLTSVMNR MHVHSVYALMNRNDLWIQKUCFVKYARALVKSALVSKMGLYQ RQQRDVSLSLRLMIVADGNAWNSISCCADANVFSQSRGLRPV ICPCASSPEALTVAIRRPDLOGGPPPRKAVLSMNGLGYQVIRVD TEEKLSVLTVQDGVGWMGANVCCVVKLEGTPYLCKTDDEVGKICV SSSATGTYAGYLGLGTTENVEAVPVTTGQAP1IFDRPFTTGTLLG F1GPDHHLWFTVKGKJLGMWVTVGVRHHNAODVATA/ALAEPKFYV RGRJAVESVTVLHDDRIVLVAEQREDASESDFONNSRVLQAAID SIHQVGCLCLAPANTLPLKAPLGGIHISETKQRLEGTLIPCN VLMCPHTCVTNLKPQKOPQEVCPASMSQASGR BLAHLLESDQARKPFLP/LADVLQGRRAHTTDPHLLNAAKTTV STATCVQHLKRAERVAAALMEKGRLSV/GDNVHALVYQPGVLDLIA FYIGLJCCYCCPVIVVRDPHQNLQGTLPTWVIVEVVSQKACCVLIT QAVTRLRLSKEAAAADIRTWPTILTDIDPKKKIASVFRPPSP DVLAYLDFSVSTTGTGAGVXMSMHSAAATSALCRS1IQLGRYPSQ TAICLDPYCGLGFALWLCLCSVSYGHQSXVLPVPLLESNSVNLWS AVSQQYKARVFCCYSSVMBMCTKGLGAQATGVLRNKGVNLSCVRT KVVAAEERP/RIALTOSPSKLFKDGLPLPARAVSTFQCRVNVAC

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			LOQTAGDPDPTTVYVWMLARLHDRLVLRKRSFPHSLPLMESGKILPGVKVIIIAHTETTGTPLGDHSUQEINWVSSPNTAGTYTVGEAHLADHFSARLSLFGDTQINTWARTGTYGLFLRRTLTDSACGRIDLWVGGSICLTELRLGRNRYHPIDETTSVIRAHRSIAECACTVTNLWVVEVLLDQEDALDLVLVALVNIVLVEELHLYLVGVVVIVDGPVIPINSRQEKRQMMRDRDQLADLQDPIVYAVN
6807	1444	606	VSGHDTWHTFCFTKCLGCFSPFPNVVNPSPSESEHTT>WGGNG-SVTPAQGPOLALANLARELRSQGAALSRSDGSVLPGLVQXQSGPERRLTLTGQVAAFFPQHNSQDQDTLRSRSPGCPCLPSLGSGQGAECLSLPPGPQGHAEGLHLGKVCDFLHNHQCSPLPSVLPTEVAAPPLLEKILSVDSVAVDCAYRTPKPQGPQGPQFHGSLLTGCCLRSLSGDLNRPFCMCVHSQGRELSEVVAVGCEAMA<LKPFMGAMSCLYRLRSRFLFLPRWMLSLCPQVQ
6808	2063	737	GWGSGASASLPLASLRLSRLSRRRTPRASGQAMQRQIAMLDRMLSRKLSLYLEMVWRVGFFGSVGWLSSLIQLFSSVAFAYVPLSSIAKIPOLVTTGEGESFRSLQDHCPVPTVTTTYYVWVNNWZNGRQGTLLRPFVITSKPPVQYRNELIKATLSDLWFNDNSTCYMDASTRPTIILLLGTLTGTSEKSESYLHMILHSELGLYRCVRNVRGAGEMLITPRTYCANCATEDLEVITVHVSLSLPSAPFLAAGVNSNGMNLNLLYNNLNGKIGKSCKTFLPMAAATFWSQNNNTFACSESSLEPKLNWLLPNFYLLTTCLOSSVNNKHERMFVQKVQDMDRVNAKASIREDFDRKFTSVPNSFOYQJTIIDYYTTADASPSPRLESVGIPLVCLNLSVDDVFSPSHAIPIETAKQPNWALVLTSTSYGHHIGFLLEGIPRQSTYMDRKFQFQVQAMWEIGHKLS
6809	939	65	DYSGCOTPVTPERGNMILYTPQTHPQEPSEASPTOPLAGTQTVQPTDBRAQTDQDPLHSPDPTKEQKQPKRLHVSNPITPRERPDPLRQMFQGFGKXZBVEIIIFNERSGSKGFGVPTFETSSDADARKEKLNGTIVBGRKLEVNNAATARVMNTKKTGFPTVNGWKLNPVWGAIVYGEPEFVAVGPPPYPTTCAVARYGAHLLRGGRGRAVNUTRFAAPPPPIPTVAVVYODGSGAEI1LEATQPTDITLSP1QJRRQPTATVTAESTQPLTRITTPSGPRPRTLAPECTFHRFLLG
6810	939	65	DYSQGCTPVTPERGNMILYTPQTHPQEPSEASPTOPLAGTQTVQPTDEAQCQTSQDQLHSPDPTKEQKQPKRLHVSNPITPRERPDPLRQMFQGFGKXZBVEIIIFNERSGSKGFGVPTFETSSDADARKEKLNGTIVBGRKLEVNNAATARVMNTKKTGFPTVNGWKLNPVWGAIVYGEPEFVAVGPPPYPTTCAVARYGAHLLRGGRGRAVNUTRFAAPPPPIPTVAVVYODGSGAEI1LEATQPTDITLSP1QJRRQPTATVTAESTQPLTRITTPSGPRPRTLAPECTFHRFLLG
6811	1522	658	DLTVTFWSFDRCVIASTHGKWSWVSAFDPPYITSVEEGDMESFSGSDDEFQDQLLHFGRDRADST>TCRLSRSRSTDSTPSPVSYTVFQGSVQDQTQLCLMDLTEDPLQPLSLRATHITVNMRASTSPPAGSGNSNQVITGNSVSPPLFNSLPSAVNSAASKSGSMQGIAQSQVSKFATLSLIHDKDRKBRHEIHDKDRHNSMGHIEKSISKSDKLNLTVTKTIDPAKTCPTLCPRMEDVPLRERPLICKKIAHRELI7TVLIFLEDCTVACQEGFLCTVWRGPCKVUVSNDP
6812	4001	1682	EDAVFLSLSLTLGQWPFANGEELSKNSPGOEVPGALRYEQKLGQHRLRHLWAVKHQDLSALGVFSPCGPVQNSAALT1ESPVHILSPQDKLSPQFTTSEPRVLTLCRSLRVDPFTAWYKDGQKVBESSLLVVKMDGRKHLRHLZMKVQDQSGHFBCKTRGVSATFVQVDFPBUHVDPVHRVWPHAIATSECVCMLACEV1DR HUAPVRWYKDGQKVBESSDFDVFVLENEQEPHRRPLATPQDSDGEGFPCBAGCAYFTVTTIDVSVS1WVTPSGKVYVANVRLRPLVTCLELCPRAEWAEVTRNKGSEZBVEBLRPLKEDTVRLLPQAVLQEDSEGYLCEKIDSEASFTVTVTPBPRV1LYRDEBV1LAVTLECVMLCSELGREDAPAVRWYXQDLEBEVEBALVERDGPCRVLFLLFAAQPSDGGFVPCDAGDSAAFTTVTTPBTPVOPVLAETTPSLPCVAGPBPVVLSCELSRAGAVPQ

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			WSESHNGRPGVCEGEGELLEHAZGERRLC1QJAGPAMGLYTCQSG AAAPGAPSLSFIVQVQAEVPPVRVVAPEAACTWRSTPSPGGDELV1VII LSPGPQGGPVRYKDGERRLARSLSGRVLQLEQAGARQVLRVQGARSQD GEYLCLDAPODSRIFVSVKEPLILVNLVLSLTPLTWHEGDDATFR CEVSPPIDADVTNLRNGAVVTFPGPQRQSCCSGYGCRMGRKART CVSSKWRQAEWVWQNGCAGCEVGSPCPFTLACPNPRMGCTTASS MWSVWPTRAPTAARATTIAWPWCGA
6813	9	836	SSTQQRPGVAFQGRFLDGLYGVADHKPDKRCDALVTTSSGHL RQLRQSGQIPTCTEVIRMMDAFTGRYGRDWNQRTSLRVIAHSSI QRILRNRRHDLNLNVSGTGTFLWFQGPPSYMRDQGKQVYNNLHLLS QVLPRLKAFMITHRMHQDFELPFQETQGQKRSNLSNTLSTGNF TMTIALELCDRINVXGMPDPFCRDNPNTFSVYVHYEPPFGDEC TMVLYSHERGKGSKHHRPITEKRVFVNWARTFNIIHFQDWPKPES LAINHPENKPV
6814	3	737	KPEREQAN/AAERERNMHGLNDALDNLRKVVPCYSKTOEISKIE LRLAKNYIWALESILRIGKEPPDLI/TFVQNLCKGLSOPPTLNLAG CLOLNARSRPSLQGGGEAHHTRSPTVSPYPPHSPPELTTPPGHC TLDNSSKSMKFYNYCAYESPVESTSPPECASQFEGPLSPSPFINY NGIFSLKLQEETLDDYKGKNYNGM/HYCAVFPFRJFLQGQAM/RLPJD SHFPYDMLRSQSLSLTMQDELNAVTHN
6815	906	553	QGLDPAASUTKVRVLLKOGSGKRGDRSSRDMAGGAGPRSESDL DVGPTEAWNNDDGSGLSRLRSGSPGKLDRARRSSEMLVKKLQGGT PQEPPNPPMKRASLNLNLSKVEETPTQPGG
6816	1	603	NLLKTHKP/VLQGQEDLSHNSVPAQUNQNYCQEYLTLTASPLREID PDQPKLTHPTGPNFQDOKKGMMIDEADEFTVAGPONVKVRGPEN SPMSKRERSMSLLLRKPTQPTPTVTVNIVGKPPGSSAPNTPSYPN LIKPTLVHTDTATIHDGHEEKHGNGQITTDFGLPSKAPSSELINM TGDLMPNQVDSLSDDFTTSLSKDGLQIKPGNSNAVFGGAKNCISLS VDDQKDPVASTLGAAMPNTLQITPAMAGINADIKHQLMKVEYRK GRSK
6817	172	3457	LGMMDMSPKINGLPIVIGPBPDTGIGSSLWVGLQKNGNDSBAAVPS DEYCPACKEGKLKALKALTYRISSQESIIFLCEDLOCIPYPLGKSSL NNLISLPDLEBCHTPHKPQKERSKSLESSYKCSLLSLLANGKTRNVI IDOGKVLNSKINGEVVYDETBSNLDP89QCCQNPPIRTADSLERNEI LEADTVDMATTKDPTADUWSGTGRPSHSPQHETTSKLEMPLSKEC TSPFQALCVUWNRKAVALCWIDCILSALVSEELNTVIGLCSKSE ESI/FWRLLTQYQJNNTLTYTSQLSLQSGVWDGUCKKTUSBIPFA181 C1NVEVRDEIPIISLQPLRCITLGDMEVSPVFMGLHWRKQHLYAHF FLYFSFWDFECSCQCGEYQYRUMIMSLVTPFTNV/PEWHPIINAHF GPQNFSNSKSQIRKVMVLEKVSPIFMGLHWRKQHLYAHF EGCLYQITSVIQYQRANNIIPITWILDAGSWLCECDLKPGCSERH KKEFVPASEIHHVIMERKISQVTDREACLPLKQHNGDQHALSNE KPVSLTSCSVGDAASATASTAVTHEDLSVAPRFLTSDQTAVTNHOD HLLSGPKGLVDMILPLTLEETQKTTASVSQLNSRAFL/LENKPV AENTGICLTKNTLSSQESLNAASSWSAPCNKLIQDQFUTISPSQ VNVTRNMSQSVOLNTEDWTNTKSWSNTDATGQIQGVKSVEIIEKDAQ LQKQPLTPTKTBQLPERVTQSUSNLKKKEETADSOOTTGSKSLQNO SLXENQKIPFVGSNWVKGLLISRGASQTMPLCVBAHNTRDQHLYAHF VKGVNNFQGGKTKGJNQKASHVSKKARSASKPPPSKPPAGPP SSNGTAHHAPHAHAASEVLEKSGSSTSCGQALQHESSYGNGISSAH EDLVEQJQHKLRLKLRLKJLKAEEKKLJLALMSSPQVTSVSENLE QVQDGSPNDCESIEDLNLNPYIDIANEACTVPGVSLYSS OTHERIARLSPFTVSTRILSNGEGDTRYL/GNGDPTVPPVPS EFNDVTSQNTHTLQRDHINCSPTKNCPEVQDPSLTTNAVCVRLNL ES/PMKTDIFDEFFSSSAALNALANTLDLPHFDEYLFENY RGEDKVLWT/LSGAVK\CVCFSRISPDGEEGYGPCLKVWVITYL
6818	2	240	RGEDEKVLWT/LSGAVK\CVCFSRISPDGEEGYGPCLKVWVITYL

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6819	1	961	GPICTENGFEDANVIGIEIFAIHVCPKPHSLEICIRACKNLAY GEKKKKCNPPVYQPLTLLPDRESSGKRRTGVQRNRTVDPTFQETLK YQWAPAPOLVTROLQSVWHLGLTARPVFLPLATVGRALKLVLSPRPLQLQ TTQSFHMHHLBRAKADYEDSVPOSIGELTVTGRALKLVLSPRPLQLQ EAQEGTDQPSLHQCLCVLVLGARNLIPVRDGTILNSFVGKQDCLTLP DQKQLRLKSPVLRKQACFQWNKHSFVPSGTVPAQLRQSSELETLVH DQALFGMDNDRLLGGT/RL3SKGDTAVGQDACSKQSKLQWQKVLISS PNLWTMTMLVH
6820	1014	340	GDMVYIYLGVHPGFFEKTFQNKAWFREGQVPLVTKRHEBVIA QQFFGHHTHTDSFRMLYDDAGVPIISAMEITPGTVFWKTLPGVNV GANNPAIRVFEYDRATLSIKDMVTFMNSLQANQGPTRNELEY QLTCAVYGVDPDASHSMHTVLDRIAGDOSSTLQRYVVVNSVSYSAG VCDEACMSQHVCAMRQVDDIAYTTCVLYASQTTPVLPQLPLLMLAL LGCLT
6821	1088	518	EFDIVY/EVGGEEFPVFTREDDSSNGFPTRQHGPSTWTFPIQSPQN RFFCVL/TLDPETLPAIATTLDLVLFVSHSTPKEARASSPEPSSIT FFAFSLIEGYI/SIVMDAETQKKFBSDLLL/TSSSGELMRWVRIG COPLGDFDCRGIVQAQIGPLAAADISAYYYISTFNFDHALVPEDGI GSVIEVELQRQEBSLAS
6822	1088	518	EFDIVY/EVGGEEFPVFTREDDSSNGFPTRQHGPSTWTFPIQSPQN RFFCVL/TLDPETLPAIATTLDLVLFVSHSTPKEARASSPEPSSIT FFAFSLIEGYI/SIVMDAETQKKFBSDLLL/TSSSGELMRWVRIG COPLGDFDCRGIVQAQIGPLAAADISAYYYISTFNFDHALVPEDGI GSVIEVELQRQEBSLAS
6823	654	221	FPKLLSRWARNGHDIBIV/LSDLINFPGHLHLPVPGWRSVQTAC GIPOLFLAVKLKLLPLDTVTPSPAAVMELVPSDKERGLQ?TPWNTB YESILRAGCVVRALKIERRFEPYERAKKAFAVATVGETALYGNL ILMKGVNLNPILL
6824	858	104	LLLAORWGWVCCFLSLSAVSVKRNVLFFAPGFLPLLTLQFGFNG ALPKIGIACAGLQVUGLQFLPLLENPSGYLQSRFSRFLDQGRQLPHTTV NWRELPEALFLHRAPHLALLTATHLTLFLCHNHRTECISEILS LLRDPSKRRVKPVPQPPLTPNQIVSTLPTTSNPIGICFCSRSLHYQPTV WYHFLPLPYLLMMAMPARWLTHLRLLVGLSLWSNTYFSTSCSS NALHICHAVALLNLGPPQPFKSTQHSGKOH
6825	3	1173	SSQEFGLQASDINWTFISDTGFLLTLICLSSPWLQACTFTVHIL FKFDPLVILKTLTSLPYI1KSMGAIVIYERNLQQLDSLSSYKPHHQ NCLAGGSDPLPTLNRWRAQTLGDIIREPGQGKTRLICMWSKTM KIKGYGMOTTAASCYDVQIIDAKGNVLPOTGEKGIGRVPKIRPI GIFSGYVINFDTKANTRGDFWLGDGRG1KDEDQYFPMGRADD IINSYGRIGPSVENALMEHPAVVETAVISLPPDPVRGEVVKAF VILALQFLSHDPEQQLTKELOQHIVKSVTAYKYPRKLEVFLNLPK TVTGK1QRAKLERDKENMSGKACPACVRLRDLIHDSLPLSLSF FFGPIALPMCGYGDLSLNEHHYK1PC1AIW1STKLHYHRC
6826	2304	954	LRTESFKEFW/NJIALAFLHLLGRASPNSTFWQPYIQ1QTLPREVDPP LYFEDDEVRYLQSTQTAIDWPSQVXNTAROVAFYVQVQTHIPHA NKLPLKLDSPTYEDYRWAIVSVMTRQNIQPTEDGSRVTLALPLW DMCNITLNLTTGYNLHDDRCZCVAQDTRAGEQIYIIFYGTRSN AEVIIHSGFFFONNSHDRVKIKLGVSKSIRLQYMAKELVARLAGI PTTSRVSFALHPTEPDPSQMLIAPLHRVCPMCITSEELKAK R1PTLQNSRFPVWDNEVRLWTFLEDRASSLKTYKTTEEDKS VJKNHDLSSVRKAMAIKLRGEKEILEKAVKSAVNRREYRQME EKALPLPKYEEHNGLLESSVGDSRLPVLVRNRLSEEEAGVQDALNI REAISSAKATEENGVLNGENSIPIPNOTRSENSENLQESKUAVEDA GSSSDSTAGVK

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6827	1	779	SSVVFFGLSLVUGGLFLVLEENMLLRLRERGLPRCCRKRRLN HTRNLDPENGKQMLQPLQAAPEPAGACQGKPLPAPG HQGHSGHGHQGGDTITMVLLGDLGHNLITDGLAIAAFSDGFSSG LSTTLAVLAVCHEL:HHRADFAMM:QSGLSLVLGGLSLSLVSGLG GGAVLQVGSLSLGPVLPWTFVGTAGVFLIVLVATNDLPALEPSS GAPAYA/HVLLQQLGGLLGGCIMLAIITLPPVPTTCC
6828	3	1654	KGQHQ/WLQLQMHCKEGVYKDKKGNGGICHEAHLMLDLDNGTRPSE LGHLSCATSLKRGRTSFGSRDDTYWYKTTHPVAEVLKLTKLVL QLPNPKWLNIYVNSNOLSPSETAEKSGQIERSKNVRQNDQFKKM IQEVMEHSLVKLTIGALLLSLIRDEAKAOYGVNEKCEKLGNSQNL HAIQTVRLTHESTLALIPIENDLTLTQIDILLDLVRVCVMTAQLH TAE5IKRLAEKEDWVNEGLTSLSCPQFCIVCSLISLQLKGVLE CKPGEAWSFQQPKTEREVVCLSLINIMOVETVCELEQSLGDADAI DITHLSLVDVSSPDLLGSIHEDPSLTSFQHLLVLSNCYCYLEHRHT PLMIAHHXKEHNFOQISKITQVSNASLKDORLFENYELKAD PIVGSLEEG:YAGYFDWKDCLPPTGVRNLYKEALVNIIAVHAEV FTISKELVPRVLSKVIEAVSEELSRLMCCVSSTSNGKQALCARIE ICALRDVTAVYLTPSKSSFSKGALEALPQISSLSSGNDKQKLLHLLIN FKFSMMHQLUTCFQQAASSTMMKT
6829	1	782	NRHEAGEAAFPAGAGGKAAGQNGKRWPLRNNGTGVFLTTRQTLCR BQKSFLSLCQEELQSDRDETDGAYLIDRDTVTFPGLINFRHG KVLVDKLNMEEVGLVSEAEATVNGLPLIRIICKRMEKEDDYVTVQP PKHVVYRVLQQCQESELTCMVTSNTSDGRFLQVNGVSNSYNTGDS QAEFLCVVSKELIHTPGLSSESRRKTKESTEOLQEQQEEV EEVEVEVQVQEADAGEK/(CYYKPEAPGCEAPDHFLQLGVPI
6830	1	939	MESGSVENLTTVRSRDELVLNKHWDRDLSKAMRETLTTLQKQL RYRPFELADPDTCYCFPCHOLDFTSGALKVALNAAAAGSAR CPKERRVTKVTAHYALLRGHQIERSVTIASHAONNSTGRAHTMC EBSQGCENPKPSLTLVVLLEIGLVAQDPSVSLVRLPFLTGTQL RV,HCSALGHPVVGDLDLTYGEVSQRDRPFRPMMLHFAYLPRIPDT ECVEVCTPDPLFLSLDACNSPHTLLQSLLQVLWQARLATPPDDE DROGRPRGSPSALLPGPQRPPPPTKPPETEQRGPQLQWSEWT LEPDs
6831	3	1087	SIFFGSSTPDKVKAHQEDLETQPSVVERATVTDPRTRIPPTNF NVAERKPADHSLESVKLTADAEPROTLVKGSEQGVKCNKSNLGN VEDLQQPKFISVSPREDYOKK1S3QDSKQVQKQK1S3QDSKQVQK EIQSTSLSIGKVLMEBAKTIVFHVFTDSKRVQKRPALPFSKNNI SIFKEEPRPSDQKQSLLSFDVUUKVPPQDKRASKNSFKMNTIKE SEKPESSILVVEESKGSLSIDFSEDRLLKEMCMNPQCSLKLSEETK LRSVSPTEKKDMLERK,SYTLVAEKVLAQKQNSVAPLRLRDS NEIGKTOITLGSRSTLESKACAMQHFTYQEDNYERPK1IVG SEKEKDEKKK
6832	1809	412	MGSGLISGQPPDNQNSGEALKEPERAQHEBSLPNFAGGQHFFPYLLV VSLKKKRSSEDYEPITYOFPFRENLLRGQQQEEERILLKAIPLP CFPDGNRISASLTYEPRETFSFVLTNVDGSRK10GYCRLLPAQPG PRLPKVWLIISICIGCFGLFSK1LDRWEK3HOISNAVYIFPMOGI REAAFPAPGKTVTLLKSPFIDDSGTTF1SLSLTPRFLDSDHSL2HVDPFSSL LHCLSPRFQIIQIFASAVLRLK1LFLAEGLSTLQHCFQHAAAHALLY PFSWHAHTYIIVVPSLILATVCCPTPEPMVGUMPMQFQGEMDSIPME EVLLVNLICBGTFLM4SGDKEKIDLPPLKLQDIDLDSLQGQINELK AQPINEVVGPPFVOPPVK1VGHAYSVIKEBANGKQFQCRSCCK ALTSTKTRNRFVKPVK7TOLPSPFQIAEAKSKNFAGYFOOKLLE YEEQKKO/TETEGKNCBIRAVNNND
6833	1	1129	PLMTLSQCGGIYGHGHSI5JGHGHSHGLPKGRVVKSTRPGSSDI VAPGRCQGPQESTNTLVANTNSNSNLKLDPADEPNRPSGDTVEV QVNGNLVREPDHMELEBEDRAQQLNMGRGVFLHVLGDAQLSVTTVV

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			HALVFFYFSWKGCGSEDFCVCNPFPPDPCFVIIINSHASVYEA GPNWLVLYLDPTLCVWNWCILLYTTPLKESALILLQTVPQKID IRNLKELRNVEGBVEVHHLHVWQIAQSGRIIATAHKCEDPTSY MEVAKTIVDFVNHNIIHATTIQPEFAVSQSKSVVFCELACRTQ CALKQCCOTLQPAPGSCDAEKTFAVSISCLSLSNLEKKPRRTK AEHNPV\VVIEIN\IPNKQDFPSS
6834	78	1151	AGQERPAFIRWLWLPPTPSVSRKAEPAHPIPINR*GA*E*RGGLP LGCSASSAYGHW\RLTPWSPGGS+NM**SSAKPTVQRSEVWLWGP CSKLVLSGARGIVGTGTVLVEQQPILLPTFGWMSILNLRAGEE SRAL+LBEVTQVTRDHLGNNAVVGCAQCLSLQSQQVGSALAKALB AAAAVRDCKEVLTSGDKQQAEEVSVRL*RDVCVWEAGCVFPGQ AHGRPGOLALAKGEGGTNSVESQVQDVQVQLVLAHECHLVAQ QDQEDQAAARTRLIAQAHGSHVAGRGRQGQCPRCRHOEAGVCHE LQQVGDAL\AR5\APQIIVLLLLEDVAQRLTGKKA+DLVVDV8 QILRLQ
6835	1	834	GIPAAADNEASLELILKLDIISRFPPNLCITFQCGQHGVMDLHSITLG AVTCYRPDVGYVGCGMSFIAAVLILNLDIATDIAFAPSNLNNPKPCQ MAFFFRVDRGHLMLTYPAFEPVFPEEENLPKLPAFKNQNLTDITL IDMIPFTLYKSLPLDLACRIMDVPFCRDGEFLPFTLALGILKLF DILTQMPVJHMAGFTLTPPEDLPAAELFASIASIATQMSKRNKWA QVITALQKUSREKNGKSVSVPFLRLQREFALGNTQKSPMRDPLCC FRLTQGPFRRTDAL
6836	1	850	MSCGRCPFDVGDGMITLK\VNLTYYRTSPSLRRRVFKYGRGDV YIPREBHHTKAPRFAFVRFHIDRDAQDAAEAGDAEGLERLRLV QVARYGRERRDPLRSRGCRGRHAGPNEA\YGRGRSRYGRSRSPR RRHRSRSRSPCSRSRSLRSRHYGRSRYSPYSRSRPSYRSRYSRS PYRSRYSRSPRSYGRGSHYSSGYSNSRYSRHSNSRHSKSGSTS SRSATSTSKSSAARSKSSVSSRSRSLRSRSSLSSMTSPRVRWSKRKS KRSRSRKPPKSPERBEGOMSS
6837	1	1359	TDAAGAACGNGPQSDPFGGTAP\GGPRTRP\SGTSSSSGKASGP PNPQAQDGTSLSPLNPTILESTSGNDGKPVSSGGRRGRGRKRDS GHWSGCTPFDKYSRAPADSGGAPGVSPCQQAQASGAAVGGSAGET RGAUTPHSKALTSWPWCKAELLLCDPDLIGSLDGAKSDSS PNVGFESADBVSTSXANIDEVSSSDNPOLVKASSPLVTVGSP KLPFRVQGAGHGPKAAPPALGIC1MESTSTDSYIQQGGGGPH PCTP\LLC\QVTPISSQGAPPDEIHPLE11A\Q1QJQKPSQF18 EDP\PLGKGGKRGECAGVAGAAGQNGDSELSGCSCEAVKSASTI UDLSLMAMHSAAWYMPADKALVSDADDKLTPAWEQGPNPNS KEAHDLPANKASACQPGSHLQCLS\HCTDDGDAKARASPVTR SLESDISDN\PGT\TVAR
6838	16	499	LDTTDPFPKTHMHISIISDYKATLRCWALGFYFPEWITLWQDDE DQTRDWELVETRPAQGDTFOKNAAVVVFPSGE\O/RYMCHVQHE GLPEP\TLRWEQSOOPTIPIVGIVAGLVILGA\VVTVAV\SAVMC RKKNSDRVRSYSRAASSHDAGGIVS\VI\ACKV
6839	1	1195	AAPAGGGDPDEALSAFPGHRLSGLSWP\VKRLDALLSEPIPIHG RGNGFPTLSSVPOROIAGGCPHGGCAG\,IN\IR\RVBLIGSAASHV\L HPESGLIGYKDLDL\VR\ENDLRS\BASQ\LTGKVLLACLLDFLPAGV SRAKITPL\LLKEAYV\QKLVKVCTSDRW\SLISLSNSGKRN\ELK FVDSVRFQ\WRFPSIDSFQIILDSLL\FGQCS\TMS\PM\SF\PTV\TG E\SLYGD\FT\TEAL\KH\LLH\LL\AT\MS\PM\SF\G\LL\K\Y\G\LL\VR\G\Y PR\ST\DV\AL\QRYMC\SR\FFIDP\DLV\B\Q\RL\Y\Z\LE\AH\PG\QAD AARYAC\LT\H\RV\N\ST\T\CLM\H\ER\Q\T\ID\T\A\LA\Q\LA\Z Q\G\PA\TA\J\A\LM\PR\FT\G\DV\VV\PA\T\N\Y\Y\T\V\Q\PL\A\H\AY\T\W\DP CN
6840	4254	2061	ELOQGDFS\PDV\PKS\NAWCNSCNSICVGF\KRDY\LI\RV\KGK\SI\KBL FPT\GKOL\PL\IV\PLA\LDGKVA\VGQ\DD\LT\VV\N\EE\G\CT\QK\CA\IN\W

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WO 01/53312

PCT/US00/34263

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			PIGEGDCPSELREIIDECAHDPSVVRPSVDEILKKLSTPSK*CIK I
6845	3	1519	VAARDDECYWRHVPDQDGLWLLFILWCHEPTEARLEYTIRLTD GALENQNQNYGQKAPAWESADSGSLEVCPEDEIYGQVEHVNGAV GHAFELYHTTQLDLFBEAGGWDVWRAVEFWCSVRNSBPLFEE KHLRQGVNSDETHSGVNNSVYTTHLVNLSRFAAHLAGDLP IPSQMLAVADKIKVPTFDVCEGNHPFPEDPGYPEEVKAODVVLLG YFVPFESLSPDVRKRNLEIYEAVTSPQGPANTWSFAGVGMWMD AVRACRLLDERSFANNAEFPFKVWEENACGGSVANFLIGMGLPQA VV#GCTGFRYTRAGTDFVCLSGJISRVNSVGIYFGNKLNSFSF SESDVTETVARTAGMPAHLLEALWPSQCRSLSLPQHKVSPPRS AGRIOMPPKLPGSSESSSFEPGERTPSDVRDPLQSPLNWTLGSSSP TESLTVDPAE*SGTGASSTSLGSPSLNPLRHPPLLTLLACHPS PAAEFLSGKVHAAMKAFKAF
6846	213	1258	LYFLKTKIK*LNRLAHEP*YENKEELTKLЕНTIMEQYTRTEESARG IIPFTKTROSAYALSQWITENKEPAVGKWAELHAGHSSPFKP NTQNEQKVEKSPRKGKINLLIATTVAEBCGDLIKRNNVIRYOL VTHNEAMVQCARGRARADESTYTLVAHSGSVCIEHTVNDPREGX MYKAIIHCYVQNMKPEYAHKLILQMSIKEKMKTJKRNIAKHTK NNPSSLTFLCKNSCQVLAQSGEDIIHVIKEDVHNNTPEKTYIV REBKTILQKCADQVYQINGHILCKQANGWJTMVWVQKQKSLKIKIN MFVVVKRNNSTKQQYKWWVLPVLPITPNLDSYSECCLFSDD
6847	1450	348	SMCWNSDRLEMPILLDIALILYPPFSVYFQHLSLQHNSD WFEDALNLWV*RAEA1QCHCVNAGDRMEKPKRKYVNLQTLRQO PFAYGTILTVRSLLTRECLNLEPNFNPDPVPSKVKGRENVALRCP PGVVRSLDALGWEERQQLALVKGLLAGNVDFWGAKASVASESDP YFOFEEAKRLQSRPWLVDSYSEHNLQRQFVQDPSLRLDKGLAALVR ID1LQVPPFVRLLERGTTVILACNSGPAFLNDVTHESLVAE FIAQMDPVVHSALERLLRLLVOTGSSSPDLSRQFVQDPSLRLDKGLAALVR ERGADLVVIEGMORAVHTHNNHAALRCESLKLAVKNAUNAELRG QRLFVIFKYEVPAE
6848	19	16	AMWWNSLIGLIRNIVSNPFKKRHTLSQLMVEIQLSDIHMADSDND LKVVLLASAEGVVPSGHDLLKELETEQGRDHYAEVFTQCSKVW4H IRNHPPVVIAMVNGLATAQCOLVASCDIAVSSPATPQVN VCLPCSTPQVALARAVRKVALEMFLT3P*LSAQEALLHGILNK VPPBAHQETTMRJARKIASLSPVVSLSQHATFFKQQLPQDGGTA YILTSQAMVNLDIALLD50G*ITAFLQKRPVNSHEPV*VH
6849	70	821	SLGQDGSCLESQSPAPRQIDTS*FVGWQHEDWQHJFJLWJSGVPDAVFDLND VCVLPAVSPDPKEPYSBSNINHNEGLECLERLNLNEIADFDELLSK PKFSGVEKIKTIGTMAATGLNUTSGMDQDAQCSHSLGCTM VEPAVALOSLQDVKINKEISFNPNRLLRVGLNHNFGVVAQGIGAQPQ YDIWGNTVNVAWSRMESTGVLGKICQVTSETAWALOSLGYTCYSRG VIKVKGKGQKLCYTFNLTDLTRICPSPATLJ
6850	2	1235	ARGLNHHWFEKLQHISRNAQOKQELHJFMJSGVPDAVFDLND LDVJLKELIPEAKIPAKISQMTNLQELHJCHCPAKV3CQTAPEPL RDHLRCLLIVKWPFTDVAEPAWVYLLKNLRELYLIGNLNSENNKMI GLESLSRELRLKLLIVHKSMLTXVPSNITDVAPEHLTKLVHINDGT KLLVNLNSKWHMNVAEELQONCELERIPIAIAFLSLKQDLSLKG NNIRTEEEQFHQLKRLTCLKUHHKIVTIPPSITWVKNLBSL YFSNNKQLESPLWAVESLQKLRCLDVSYYNNISMIPDIBIGLLQNLQ HLLITGNAVUDLPLPKQJFCIKLRLTIANLGNCITSLPEFKVQD LTOLELKGNCNCLDRLQAGLQOCRMKKSGLQJVEQDHFDTLFLFVX EALNQDNTIPFANGI
6851	1765	660	VSAQVSAREBGENCLNQNLADSSQESYKSLEBADDYCYPFSLLTD LRDHFQVEQGPILLSCPKAGTDLSEMGRAREVGWVANGLMIGAGA CYCIVYKLTIGRDSEKKEBEEBEEWDDQDDEBEEPDWFDFT

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			HAREPWTEDQDWTPEGAPRGTEDRPSGGGKANASAPIKQRPFFPYE HNNTMSAQCNCKNGSCVLDLSKLFLPQGKLLFAEPAKDAGPPFSQD INSHLMSLISMRNTSPTPDTPTVRBALCAFDNLNASIESQGKIGM YINEVCRSTVGRCCNSPLQOAGLNLLISMVTINNLSASDLK PFLISSEGGCAKQV/LKPLMGLSLKEPKVLGEVGRQMLFSTMSFL PIRNQNGREILLETTPA
6852	1	407	RTTGTGTTTATWVNHNDGKNFYIARTPATPAFLAVMFAMYIISGLT GFIGLNSIAVLCNLVMGLALIFLCTWAVYVKSFGFREIGTVITQ IAETLMECVQLPKPLGNQMNEMENRROSVINHAGLITQVSHHARL KTD
6853	3	469	GDSACAVCIELYKPNNDLVRILTCNNHFEKTCVDPWLLERHTCPWC KCDILKALGIEVDVDEGSVSLQVVPVSNEIPNSASHEEDNSET ASGTYASVQGTYEPLEEHVQSTNESSLQVNVHRANSVADVPH VDMPTTEBEDTPNQBTAVREIKS
6854	1148	585	HESYIOTGDPGECLVCACAIQWLQDNSSASYFLNRLRZLYVEPSTQAK PVKNTPLRMWVYSHYVYQDLRKKL1LDVGHLERDVQPGCMTKGPKG IICVCGPKKEHCCEFPHTIRYPNWKHISCKHAEASVSTEGNGDRDL LPHSFEEILLEAHGDYGRNDYVHMNLQFLFELKKGHSHEVFGI LGJIESKSSD
6855	1913	1148	CRVGVGRVGRIGCSPLGEGANEVIASTOTLKCEBVLPLDQDFDLAK BEP7SLPQRDSBTKGPSGLVLSLGGDRK1HOFIDEDLKKKALASRF YIPEFGCIRWAAWMVVAALDAHREGIVCRDINPNYLNDRHHI QLYTFSRWSEVSEEDCSDDAIREMTPAEPVGAITEETEACDWSL GAVLFRLLTGKTLVCHPAQINTHHTLNFMEWVSEASLRIQQQL LQFNFPLERLGAVGAGVEDKSHPPTPFWQWAEMLR
6856	1617	597	VTOLYTVSDASTDLSKDKIDRFLKFDPWQQFLDSLKLALAVKQQR TVYRLTFLKAUNVNDLQAYAQALQVSLGNPDIIEVKVGYTCGESSA SSLTMAHVHPHEVVVQFVRLEVLDIPIYEYELAHEHHSNCUJLAH FRKFKIGGEWWTWVHNPNPQELIQVEYEDSGSKTFSAKDYMMARTP HNAFLQASERGFDPPDKTDTHORNRKNSKAISG
6857	1	617	KGPETATAMCVCSBHNCRONH1KPSHESAAQTMCGSPFTPASAPNH KLMAMEQKTLTPSATEDAKEEGLR&Q1SRLIELGRLSKEKALNP DLQQLRSDEDDTNMQL-LVRQEMWAVCPEQIQLSEFLDLSLRQYLRGT TGVBRNCPIHTAVRLSDGFTPVV1YIETWEZEAKRHLQZPLCKAF RHVKVDTLSPQBALSRVLLPAAMCTYGRD
6858	2	669	RSRGKIDFENDPFLSSCG_FQSRIAGBLALSGRISLPSGSSVPSA IRCVQTAKLILEEKLKKL1KIRVEPGIPEWTKWEEAGKTPTFLM SLEELRKANFNMIDYTTRPAPFLPSLAMPQSLQFPLDLSRQYLRGT IVNTCPQDTGVIIWISIGSTLDSCTRPLGLPVRPCODFACLVR K1PSLGMCPCEENKEEGKWEELVNFPVKTLLTHGANAAFNWRNIVIS GN
6859	1	1150	GETMFKAATKAKKPKRKRSDSSGGYNLSDI0SPSTGTLKSG K1NSVESPPLTITSDSEGSYAGVGSPRDLKQPSDFTTGHFHDSDKIR AKVKPVWNGTSVYVSPYSPREDLKPWEKSP1LKLISAPOP1PSNRIDTT SSASWVAQSFSPV3PVPVUDLRTIMEI1EESRQKCGATPKSHLGHKT VSHQVKLSLQKQRKMLALTKEENNNSGNNSMTELVLPDPSAKPKPVN MWASSLHSVSSKSFRDPFLLEEKZSVTSHSSGDHVKKVSPFGTIEEN SQAPKIVRCSGTHQTPGEGNHNISDLPLLSNPWNLSSSVTPAPSM VAPVTFASIVEE8LQGQAAALIRSREKPLA1QIEHAAIQDLYLV YEPVGNPPEFV1M7T1QCPFLAVMMWNKHUC
6860	1889	1515	DKDKKRRQKKG1FPPKVATIMRAWLFCHLTHPTPYSSEOKQKLAQ DTGLTILQVQNNWFNARII1VQPMIDQSNRAVSGQAYSPFEGQ? MG5FVLDQHQH1PAPGPMGSMGNGNMGQHYN
6861	1889	1515	DKDKKRRQKKG1FPPKVATIMRAWLFCHLTHPTPYSSEOKQKLAQ DTGLTILQVQNNWFNARII1VQPMIDQSNRAVSGQAYSPFEGQ?

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6857	2633	1704	QTRIMSPQECKELAFGVFRQKMLDLYSVYNGRCVPPQESRSPQRSP LQSAAEESPPTAGKKLFPEVPSSENEEQEAWVNALLGRIPFMDPLGEK YNSDLVSKKIQIOMKLISKIILPFPWNLTLTLEDMOVAPVKLQAF KPXYVDHJQLWIDLEWSYNGSFLMTLETNPKNLTKBPELVEALK VGBIGKECOPRPNFLCLADSDESSSSAGSSEEDDAPEPGGGDKQL LFGAEQVUGHRTSIKMRVFKRUIKTSKYYQKATSTEFVKKKRIE VSNTPLLLTVEVQECRGTLAVNIIPPPTDRWVYQFRPFPHVELK ARPKLGGEREVTLVHWTWIKKCLLQEFDQJKVFVMPNDMDVYITIM HSAMDPRSTSCLLKDPPVVEAAPQ
6868	1	346	RPTRPPTRPEEIKNLLIYLPIYSWMPVQDLCDFEYFETKTDKGFD KAYTEFSQMVHRGQLNLNTQALRDGKSPQLVQPCIVERSQG GSQGRIVHLNSLNGTQVNCRKPPFTSM
6869	3	1619	KYMEINRDKRALISFWESVHEILQHQNNEIPOLVGEIYQNPFFVES KEISVEKSLSLYKEEIQCLVGNKGIEBFVYQEDVYETBLKDRYIYPS FIVSDLYKEKLLIKEEKHQSAMISNKDEMPGRDEAGEFADVDTGT NQINBEQASFAVNKLRELIEKELBYKRQALIQQNPKDPDKVSK LKDELLIEKERTDILQHMARTDWNCENLGMWKAISSTSEBVTEEE NGRQLPQCFVNWSLQEWVGVGETKWNVTWPLRSLSEPHWLRKLSSEC VPSLKKOOLPSLSKLPPKSLSIHDTHPMEEKFENGLNLKFLQNLSSDER LCQSALAYAPLSPSPDPLVQLDVLWQGKENSFSLSLSEPLERLPDFF SHQEETTEEDSDLSIDYDDDVUDQRKDALA8PFCNLIGEFLPERGM FENVERTTLIALQVQTFTGRTINKQIQRDTVSWSIFSSQHLVYYINP RDAFWPQNGKLAPPFTIRSEKQSQTQKRAQQLKELIIFDMLQLS VGGQONARHGIIKIFINALQETRANKHLLYALMELIILIEPLCERLV HLDLQLAKQV
6870	1	1566	MAAWAATRWNQWLVLVSAAGWAGSAGAQPQNNILLILLMMDDNGWG DLOVYGEPSRTPTNLDRMGAEEELFPNFYPSANLPSQPSRAALLT GRDLPIVNGFTYTTNAHARNAYTFPOEIVGGIPDSQCLLPFLKKAG YVSXKTVGKWHILGHFRQPHDILKHGDFBPSFNCNHFOPRHNKARP NIPVYRWDMEVMGRYYTEFPFINLKTCANEJLTOIYQLEALDFIKRQ ARHIDFFLYNAVDAHAYPPVASKPFLGTSQRGYGDABERBIDS IGKILELLELLQHLDVADNTFYFVFTSNGALISAPEQSGNGPFLC GKOTUTFEGKGRREPALWNPQHVITQGVSQHQLGSIMDFLTSILAL AGLTPPSDRAIDGLNLLPTILQGRIADRFIIFYVRGDTLMLAATLG QHKMHMWTWINSWNPFRQIDFCPCQNVGVTTHLNEDHTLDEPL IPHLGRDQGEFPPLSPS2QAEYQEAQSRITTSVQHQHETPALVPAQ QJNVCNVAVMNMAPPSQCEKLGNKCLTPPESTPKKCLWLSH
6871	209	1126	RMSLNPPIFLKRSERNSSKFVTKQSQTSIASLQDPLQNLCLLAS QEVLQQAQSGRSKCLLKGCGSSRMFYCYTYCPTVVPENVPIEQLPLV KLFKLIDIKIHPNETDGKSTAHAKLIAPEQKQHQLKLFIDSTWNQTMKIPIDE EDKHEVALIPQGPQSQISKIDISFHQCKRQJNQNRNNKNDDFKPS FKKRTTEEQFCDLNDSKCKGTTLKLIFIDSTWNQTMKIPIDE RLQGGLQLOVEKLTRKTCTWHLHQKGKDTFLSTIAIYVFLDVTY DILKKEKRYGQYDNLLPFYFEMYQJLKNAKCSGKDETEGKLTH
6872	880	459	FGJLWVVLISIIMKCNVCREDLIFNPLFKQJGLDQWRETNGLFGNT KLLITEVFWRKQYLEYRIPYTEDPASYEFLPQGPRAFLETSKNLU LRLPLAKLHKKDQSWPHYLREALACEWEDEDTBDEPDTCGDSAUG PTSPRPPR
6873	1929	955	DEQAVLCSKDQTYDLKIAFTTSNMLFIPGCKTPEQQLKEDDSHQN LIHTIEIFCGFSNNYWEERRRPPKLKKKKLHLNHYNGDQPSQKEK DSNSSKTTTBDLJLQJQIASESHHEINTLQVJNACKIGGYWRILSF DYMRLKLNHVTQVLDSESGWSFGKVPLNTCLQELGPLPEFEMIH CJLCYGGKKYWDGGEVYREFLDADKICRAAQRMLLQAVFNLNLF QSVWWQSVPZGQMTSLLQKLGJALVERHSRPELIFLFWVDDLE DNGERFPNSLFLSLRKWNTSEEDIAPYIQLDLCGEKQTIGALLTKYH SNMQNGVKVYNRRPPI

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6874	1	307	DTADHRSVAANVNEEGTKNLGKAAKYKLALPVAGALIGGNGWGPIGLLAGPKVAGIAAALGGGV/GPTGKGILQRKKCQNMMEKLTSSCPDLPSCTDKCS
6875	1688	349	VIGTCERGNSASEKWEIMFNEELGDPPFIIHHSISLLENAEHSIA TLLRKEELDLMKMGSGFVYSLWVTTISKKNQDNKKYELIKRDI LRGKSVPHYAAIISPQDGMLIVSYVSRSLTVQAGGDLDEENMEDI SERKEPLPYWQOTTEDLTWTIRLPEDNTKTRDLPDHPHINI VLDKDHQFLEGKLYSSIDHEESTTWIIESKESNLSEISLKKNEQETW PELVIQDXKQGELLRDSQAACMIAERLWMTSSEELNPKDKEKPP CNAQELELCECDIFFEESSSLRCFDGNTLKEITHVWNGLSHLPLFSV IVDPKBMPCFLMHVDALMWQPHSKQDMEHIAINTNALVGVV QASKRDKKFPPACAPNPVSYAALCECIRRVFYLQPMAMSTVLYNR FRGRGVGQVAKQQVASLETMDPILGQFQINERLRLVTTKNUFLLI KVNTEN
6876	41	1285	WGENTLIIWRHLLPELCVTSAPFILERMPHPLSGLTSRTSFTVKLG LHTKTPRMPCDPMSPYQVILFLVNSGSELENALMARAHHNNI DLSFPRGAHYHCSCPVTLGTLTNNGIYKMEPLPGTGCOPCTMPDCDVF RGPGWGSICRDRSPVQTIRKCSAPDCCQAMQDYIEFQKDFTLSTS VAKSLAGCFAPRPIQGVNVVQYPKGFLKAPEFLRAORGVCIAN EVQTFGFLGOSHFWQFQTHDVLWDIVTMNAMQGNGNPAVAVIT PEIAKSLSAKC1QHFTIFQGNPMACAIGSAVLEIERNK1QENRQSO EVGTYVMILLFKAFKLREFEFIVGDRVGKLMIG1ENWODKISCRPL PREEVVMQIHEDCKHGMLGUVGRGSSIFSQTFRIASPCMCTIPKPEVDF AVERVFSALUQHMNRRAK
6877	1	778	GTSPEVSPARAYATAPPETERKFYQVNSITQ3EGGEPPHRRKAKLKT QAKLFLPVSARLAIAVATEEDSQDQTIXKTYMTLHLLTLCNTSBLN PTQRNKQDQLIRAAVPLDPTDITCYRVEPELVEPQLEWRQEWDDPI EWAKEYRQVEISSSTSIMGPS1PAKTREVFLVSHLASYTVALOG IEFVAQQLKSMVLTIGLIDLRILTEQAVLRLSEEEYQIOQNGN IEWAHDYEOLERPARTAAGTLIHLCESESTTVKHKHLKE
6878	931	263	GTQGDFPKRNEAEMDPNIEKAVTSDAQHGYRCPSVJASAPSEGGON LEEDTIVLEVLLVAPAVSCEVPSALSGTGVTELRCDEKGPNPAP FYTWTWPKQGDIRLLENFRIGQSOSTNSSYTMNTKGTQFQPTVSKLD TGEYSCARNSVGYRRCPGKRMQVDDLNISGIIAANVVVVALVIS VCLGVCYAQRKGYFSKETSPKGSNSSKATMSENDFKHMKSF II
6879	3	845	IRVIGESDINQKFLSESDENYGVSDVELRVALPDGJITVTVRK KNTSTIDQWYQAIAXVKGMDSTTVNYFALTEVQVPSVRLKPLNS FPKHLKYIONYTSAVGPGTCLTIRKWLFTSEBILINDNDLAVTYF SHQAVDWDVKKGYIKAEEBKSYQLQKLYBQMLVYNNLMLRTCBG NEIIFPHACDGRXKHGVITAISITPHKLUHCTEBEQNLGVIA FEDEMQRWMTDEEGMAFCPFEYARGEKKPRNUVK1FTPYFNYMHE CFERVFCELKNRKEEY
6880	2110	1437	RKNCNTAKEWTFPEAKWNTARVFSH1R1G/MGHVLLIVOCFISS MANIYNEKLLKGEQNQLTES1F1QNSKLYFPELFLNGLTLGQRS NRDQ1KNCQGPYGHRAFSVAL1FVIAFOQSLVAFL1KFLDNMPH VIAWWQVTTVIIITVSVLVLPDFRPSLEFPELEAPSVL1S1PIYNAS KPGVPEYAPRQBR1RD1LGNLWERSGSDGEELERLTYPKPSDSED EDTF
6881	2638	2244	NDERMWDHTVIGALKAMFPRFLPPEPLT1NPMDPUNVAK1QCEPR ORVAAVKCDL1RQ1LPNPNQDMQ11FPH1LRV1ENGEKRNMTYOS IA1VGPGLLKEPEKETGNA1VHTVYQ1QV1ELLEL1S1PS1T1G
6882	1	850	GPEAQMLWYVPKSCKGKGVPSFAECT1AMGQ11RDRPQWLVIN CGBNNVTRATQREPR1VLS1LTCDGT1LTL8AAYT1D1L1K1PT TNAVHUKCRVIGLE1S9GRDCEATQWITSPLKSQSPYR1LVHPEPH MRPRRPHQ1QADLFRPKDQ1AYSDTSPLF1LSEAS1L1D1NSRLEK

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			KVKATNFRPEPVVISQCGDVAEADSNDELLIGDVELRVMACBSRCI
6883	2794	2256	LTTVDPEDTGVMRSKPELETLKSKYRQCPSERKLKGKSPFLFQYFVLENPGTIIKVGDPEVLLQG
6884	2	99	ETFERVTAARAKPPETSEPRAAAQRFCCEKKFFL
6885	297	1554	STQGFQWHITDLHDPTYHIDHTDTKVCASCGKANASNPFGCPGDVLCDQKLNQNLSSAPDFTKNSQEEASFPMINTWQDPSPPVPELSTD
			TVINVITMNTTIIQSFLPNLQVFPAALNGHDYNWPDQLSVTSVKVYNAVANLKNKPWLDESAISLTLRKGFPYQSOKVTTINPNRLIISLNLYN
			ITYGPNNPLINKTDFAQNQFWERLESTLNNSQNCNEKEVYIILAIIVPV
			GYLPSQNTTAMBEYNEKKLIDIFQKYSVDSLGQPGYHTERDSIMVLSDKGSQPSVNSLVAAPAVTPVKSVEQCTNNDPGRILRFQVDPDR
			DYKLDMLQVYLNLTTEANLGGSIIKLEYIILTQTYDIDSLQPSESLVGLAQKLTDXKQFIIKYNNYFVSYDSSVTCBDKTCKAGFICA
			IMMLDNTISVADCLKLYKHNW
6886	2	1341	OCGGIPIFGSOSQNLHEBGTGSSPACVSGRGAAPGSEDAFYPTRAK
			QARVSGEELKAARKTISLQGPGDVTIIGDQGMRERRTLALAPEPEP
			LEKEACEKWWKRPPRSASAATSLTSHCVDWVQGLLDFKKRHRHSI
			GGAPEQRQIIPVCAARLFTRADQVLDLHLSLSENAVIEGNSS
			LLATGQDADRLIHWWNNVGSRLAEQNTLIEQAGGGSITSVDPDSGY
			QVLAAYTINQQAQLNKVGGEAQKETLQGHDKVTAFLKFLTRHQAVTGSRDRTVKEWDLGRAYCSRTINVLSYCNDVCGDHIIISGHN
			DQKIRFDSRGRPHCTQVIVPQGRVTSLSLSDHQHLHSCSRDNT
			LKVRDILRVSNIRQVRADGFKCGSDWTKAVAFPSDRSYALAGSSCD
			GALYIWDVDTGKLESRLQQPHCAAANAVAWCYSGSSHWMVSVDQQR
			KVVLWQ
6887	1047	116	WTARPSCPKTPWEGAVPEQGDPILSTGCSQALQGCCPGRPWGQHGNG
			GOORAAQEGPTLPGERGGPQSGSPGLAQTPTPSKQVANRAFLTG
			TYRSQSPSPAGPFRGOTGWMRPEAVCLVQAVGPKRQLSCFLGVVY
			NASGSGEHCYDIYRLHSCADPTCCCGTPDADANDYQACTEINTLT
			FASNNVTCMDPDLPTDELRQRYCLOTTWVNPDRPFDTSFWGG
			DLRRAQNTIIPSGNGLDPAOOGJRNLSASVIAITIQQGARHLD
			LRASHSPEDPASVVEARLKELATIIGENVXNARREQQPAIRGCRGPPSL
6888	1	992	FVAYVKEEIPHIVVTCHLLNPHAIWVTKLPLKRLDALDTVVRVI
			NPFLKGPRNRRLPQAFPERIGIEYESVLLPQGMLNPLSSRGCLTH
			IEMFYBEINGIPLFHLLKHSNLLVQGFFENKEFKHILAYLADLFGHNE
			LSASMSQRTGMNTVSAREKLCSA弗VRKCFPFWQRKIEERKNTTHPFL
			EEIIVSNDNEIFIAIBETLHLQQLSNFHFQGFGSIQDNLNEASWKI
			LDPFLPNIDFVDDSYLMNKNDIAELRASQGILMFBPTMKLLEDWFC
			AQFTATAFLNPLAKTALETLIMPATTYLCLELGSFIFTFTQNKVPEA
			LILSSDDTRVAISKVPSPFLHH
6889	1	1534	LTLNENLKEERBQDNNESESPPGTCSPBLVQNEBNQEQGTEHLDLIAAT
			AGKLRLRVSDTAGIAPAPVYSGMGRSSSKGKQFQPMILIDIIASVSV
			ENKHPSEKTSKINVKPQELKEEPBESIIEANDENNNKQKSDIIFHSH
			ICKKHILMLKDQKHSWMLKFKECNQZCQAVVSVJWVAKHNNNNNN
			WKAESTISLDFQGUQDILNCRKDSIISNANVTFWQGEPEVTSRQG
			KNKSGSETVWIKLKDWPSSGEDFKTMMPARYEDLLKSLPLPFLWPCNP
			BGKFLNLAFLHLPQGFFVRPDLGPRLCSAYGVVAQKHDIGTTNNLHI
			EWSDVNVNLLVYVYIAGKNGNLLSKNGILLKFFFEEDLDLILKRLRK
			DSEIIPGALMHAYAGKVDVKLREFLQKISKEQGLBEVPEHDIR
			DQSWVNVKLLRQRLLEBVGVRTWTLLIOFLGDAIVLPAGHLQCV

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6890	3	667	NEHSICQVTEDFPVSPHLVSVPHLTQELRLKESINYDDKLQVK NLYHVAKEVMRALKIHKEDDVDMERL
6891	1980	1262	THACGGMWIPFLYLRLRALKWVHTTAATCNGPPCGAKBSLFGAIFTCP TGFLGVDTGAGATRWRCLAKTARDPLVLCVGWIGSICLIFLV AAKSSITAYGAYICFVGTLI-PFNWAIATDILMYYVIVPTRNIAV ALQSFTSHLLEDGGSVPLIGFISDLIRQSTDSSRQVWVPLGTYA MLCPFPVVVLGGNFVFLATLALFFVSDRARARACQQVNQLMPLPASTV
6892	3	876	LRIHQELLSGKELKLRLRGITLIESIIHIGLAAGKEQFMQDASNVHQ LLLKTQSTHYMDMEPDNEPPVRQAAVYGLGVHAGPFGDDYRSCLSE AVPFLWVKKVRAKHSITKKNVIALENCTISAIGKLKPCPNVCNVD EVLPHWLWLPLEHEDEKAATQTLGFLCDLIESNHVPIIGPNNSN LPKISIITAEGKINSTINYEDFCAKRLANVROVOTSEEDLNLE VSQDDDCQQAELQELINPA
6893	1	842	RSVAASGPGAMGWTCHYCLLRLRKKDYBGLCSLLLPAASSRSV FALEAFNVLFVQVKCSVSSEXTIGLQMRMOPKKTVIEYCDNPHE OPVIAIEKLWKAVKHHNNLTKRNWLKIVDEREKLNDDKAYRNKISE NVAENTQSSSLYL/TLIGKDELADHASHASHIGKAQGIVTCIARA TPVYHGSRKVFLPMIDCMILHGVSQEDFLRNRQDXENVRDVIYDIA SQAHILHKGARSHTHTVTFVKAAPAFLQTWSRLEDFLQIQRRVDED TFPHBLQKQWNLILPQIYIQSWSRKTY
6894	1742	1463	TILCKPLVPRHQFETFLPAEMRKFPTTQYKGSQLLBEPILPWRS DVSDRGHORPWPQSLPESLSPLPPTLCFSPSLSSSSQHQLTPS VNPW
6895	2379	478	VTVVRLCDNLASPIALLIMTRVLDLIVEDLQTSSEDEQYQTSQ TRILLALYALASHACKLALLHLINGTICKDERYAIIQKELKERLKG RTVTIKNUNVNFEVNTKRASTVSSVUSTATEIPIAJAKELKTEID ADFFHPFLRLRMLGMRVRISSFFNNEBDRKHQKQBSIYIIGFLQAGQNAL ATECTLEKTDOKFKVFLLENSHKKSFFDKRSRERKSNSQDFTFC EAVNCQISQTSQPFOVQLKMENNELEISENSNSDQCQIATCPVCFR AQOCISLAEALNKHVIDCLOCPSISENFSMFCSSHVSAVKVYKKE NVPASSLCEKQDYEM
6896	1	555	GNIVIQQEKKYNKQHIPPLEVNITDISIKEGDGLRNQWLIKPTTKS FAVIVIATTEK58WMWHNWKCVTDLILSKSGKTF8NEHAAYWFD SEATVCMRCOKAKPTPVNRRRHHCRKCGFVCGCSEKRFLVFFPSFQ SSKPKVRICDFCYDLSAIGDMATCQPARSDSYSSQSLKSPNMSD DDDDDDSD
6897	3	920	GIGJLMMHRRVNVGLMERPDWNTAIQPKPLCSLPLAGSGNALAASLNHY AGYEQVNTEDLJNTCLLCLCRLLSPMNLSSLWHTASGLRLPFSVL SIANGFIAVDVDELESKYYRRLGEMRFTLGTFLRILAALTYGRIGIA YLPVGRVGSKTPASPVVQVQGPWDAILVPLPEEFVPSHWTVPDE DFVFLVLLALIUSHLGSEMFQAPMGRCAAGVMLFYVRAVGVSRLM

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6898	919	346	IRFLFLAMEKGRHNEYECPLVYVVPVAFRLPEPDGKGWVFADGE LVMSEAVQGOVHNPNTFWMWSGCVEPFPPSKXPQNPPEPEPL
6899	120	827	QKTVTAVASLLRGRGQYITENERNGAVAKTRKFLVILVLIICH LSNININRSLLYLPEMOTDINGGSLKPVTRATXTTWEINGLNPA GGFLILSFLAFYQHGTCGCSLGFGOSPRKEIOMSLTTSAAGHSPFL MSPHENPASGVSVCGCGTQSDEALSNLSEGSIDASTIEHTASESC NNKEGDPALPHTGHD
6900	3	451	MKVRKRNNDAYLDDNNKINMDCFISCCFKMLTMIHPSHGSILSL DEHGEETYYPLPCAYARSLITVWPVWELGCKVSVCNACTGYGASI TFHTKPFYGGKLHRVIAVKNHITNTVCRVGKRNWVNLTEFTVS NGETKVDULTKLAVITKKRVPLEKQDFPESRRLKONVLTDLRES EIDKATEKHTLLEBRORTEERHRTETGTPTWKTYPFKIKGDGWVY IKPLWIIPTTOPAE
6901	1	201	TRVIGSKGIOHELETSSTALIHHALESASATIMFWRAALSPHTLP VLPKGKGESTERELLELRTKVSQEQQLQGSTTHEHLKHNANQKES MEQFIVSQSLTRTHDVLKXKARTNLEVRKLHMQSEAPSLSPTHHHHP LADLVGDSWPAFLRFQK
6902	2	267	GAIPIPPFNSQPPFRQPPQNAFSSPHSDFDTTNGNSALEE3QAGAQGA SDMPEDPSLDLPLNTFDELLSYLDPFPDLSNSNDDLSLPELPELFFN
6903	1	149	RINQVYRQGPFTGHIHLVIDOMWQNQDESCSCLFSTWKAESDGI HILAE
6904	464	2092	MEASLFLV9LSCVLACGDGVSGKEDILFNRVRAQIQKKSGNFDLILC VGNFFGSTQDAEWEYKTYGKIKAP IQTYVLTGANNQETVVKYQPODA DGCCELAENITYLGRKGIFTQSSGLQIVYLSTESVNPWPGYSF SPKDVSSLRMCLTQPSQFGKQDILLTSPWPKCVCNPGNSGQEV TTKKCOSFVSLATLQKLPKYRHPAALEKTYTERLYRNHILQOR AQHATRFLALANGPPEKKYLYFASLIVPMKLMQKOPPD VTERNPYRKSSQQAISIGKQJLAPVRESCACOFFDLNEKQGRKRS TGHDSSKSSPHPKQPKPPQPPGCPNCFLSPEVEKHLVUNVNG CYLALAKGGLSDDHVLLIDPIGHYQSVVLSABUVVEEYKYZATL RFRFKSRKWCVVFERNYKSHHQLQVIVSPICSTDDIKOAF IICAOBQQIILLEIPZHSIDIKQIAQPGAAAYFVBLDTGKDFH IKKNFPLQFQREVIASAEALINVPDKSDWRQQCISKEETELAR FRKDPTEPIDFTLQD
6905	1	226	VSKTGEAETITISHYLFALCQVYRTLYLFWNWIWRYHFEGFFELIA VAGLWVTPVLYCFCFLYITKVLKQKKGSLP
6906	3	611	SYDDHNGHHDIFITAASLRLAKNYSIEPADRFTKTRIAKGIKIPAI ATTDTSYSESILVHECNWFPPRPSLLELHGDNANWGEDLVRVRRRG TEVRIKTKIRNGISFTIMDRWTWVHOKEDFTLDFINAVKEKGYIE PTMVVKVXMLVYVPMGHAERKLKTMHKWLKPFTTEKKYVDL'V SFAPDIDGDDSLPLGFVFVRYYFSHDT
6907	2	2228	LRGVPWVAGAQRFFSGSERSTSHLJKHSSQRLTEVSGCGDDDG SSSGGSSVWAGSQTFLKDSPPLRZTLKRKSSNMRKLRSPAPOLPGSS DAHTSYSESILVHECNWFPPRPSLLELHGDNANWGEDLVRVRRRG CGSESSRASCLVGRKATEDFLGSSSGYSSSEDYVYGSVDQCGS SSRLRSAVSRAGSILLNNVATPSQGLPFLRLIYWAQTTWYRLITVA SRLDWFLVLTTRKFSLLKTYFLWFLPLLCLTYQGQYQYQYQYQ TYPHALWVSWAAKDSRRADEGWGEARDSSHMFQADQRVMSRVSLS ERKLELALJAAFQFSNNWQRKAMRLERLBSLRGAPQGGGGGLSHE TIALLEGVLVSRRREAAKJEDDFRRTAARIQEEQELSLRASHQDSE DLFKKIVRASQESEARQQLKSEWQSMNTWQEDVSEKVELRRL DQIAGLQOEELAALALQKSSVAAEVGGLPQOQIQAVERDWDVEQSPFA WISQFLARQGGGRVGLLQOREEMQAOIRELSEKILTHVAEMQCKS

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			AREAAANSLSTLTKQEGEVIGTTEBVWVHINQQLORYSEDRIGLLA DVALRSGGAVASIVTRCSSETVETKTALSLGIPFLWYHSQSPrVT LQPDVHFPGNCWAQFQPGQFAVRLSARIRPTA/TLSEHVFVKALSP NSTITSSAKPDKDGFEDDLQQGTLQGFTYDQDGEPFLQTFH QAPTFQTYQVVELRLRILTNMGHPEFYTCIYRHFHRHGSF
6908	3	780	QVPSAAWILMVGCGLSRIGLSRGLGCGCAARLYPRAFWSRG PQGVEDGDRPOPKTPRIPKIVTTGDKGFSSTFGERPKCD QVFEAVAGTTDQELSAQPALELVTEKGHTFAELQKIQCTLQV GSALATPCSCAREAHMLKYTTFKQAGPILIEQDWDIKYQSLPLT AFILPSGGKISALHF/CRACVCRRAARRVFLVPMQESTDANVAKF LNRLSDVLPTLARYAAMXEGNGQKLYKKNDPSAESEGL
6909	3	409	GRILLAVGTDLVYGRQSSAPEGELLVQDATTPSNSVNLPEKAFDIP SPYLRGTLKMMQVAQRFQDODDRTTDXGRLP/TWQACTFDDCIVYA LCVVDTIKRSSTOTGEWONIAIMTEEPPELSPAYLISBAMRRSRMS LYC
6910	1	1068	LVPVWVIDSYYVQVLIAPLNLVNVNIFTHGPDLYGTEPVWVY LINGFLNWNVAFLALLNLVPLTLSMSYLNLQRFHVNQNLHFWVLT LAPMYIWIFIPIQPKHEERFLPFVYPLICLGCAVALSALQSSP LYFORKCYHVFVFORLYREHYYTVTSNWLAJGTVFLPQGSLR LPFGYMGFLDLYPEFYRIATDFTLHTVPGPGRVMVCVGKEWYRF PSSFLLPDNWQLOFTPSFRRGQLPKPFASFGPLATVYVPTDMDQ NLESPSPRYIDISCKYHVLDLUTMRETPEPKYSSNEBWISLAY RPFILDASRSSKLRLRAFYV;PFLSDQYTVVVNTYLKPRKAQKIR ESGG
6911	1184	966	GDEAEEBMETGNVANLISIFGSSFSGGLRSPGGRREEEEEHGEG PEAEEPGQICCDKCPVLRDMNPWSTAIVAF
6912	1	844	AM/KPVEWTSFOMLFITLSTGDSALEKQSYEADYRCIKSSLLGSI SGGTDIISCFMGHNSVLPVYKGEIOARNLGMARVANNREGKAWV GESGELWCTKTPKIPCOPTFHWENENGNYKXRAYKSFPGGIWAGD YCRINPKTGGIVMLGRSDGTLPNPGVFRGSSEIYVINESFEEV DSLCLVCPQVNKVR2B2RVILFLW/ASGHAFOPDVLVKR/RCARMGL SARHVPSLLEETKGPYITLNGKKEVVAVQKIIAGKAVBZQGGA NF2TDLYRDIPELQGF
6913	1643	1558	KKSHEESSKHEELSYGAOASLPLPCSDFR
6914	1251	615	ELAARECKSAGYPTGLPYRKCDLSEEDILMSFSAIRSCHSGVDI CINNAGLARPDTLSSGTSQWQDMCNVNLALSICTREAYCQSKK BRNVDDGHHININSMSGHRVLPBVTHFYSATKAYVTALEGJR CELRVQDTHRATCPSGVVETETPAFKLHDKDPKAATAYTQMK CJPKDVAEAVIVLSTPAHQIQGIDOMPMTPEQVT
6915	254	652	GRSLSFKITFLWVLSIYOGGILMYGALVSEFV/HVAIIST ALLITELLMLVALTVEITWHMLMVVAEFLSLSCYCIVGSGLAFLNVEYFD VAFIITTVFLWVKVSATTVSCLPLVYVLYKYLRLRKLSPSPSYCKLAs
6916	254	652	GRSLSFKITFLWVLSIYOGGILMYGALVSEFV/HVAIIST ALLITELLMLVALTVEITWHMLMVVAEFLSLSCYCIVGSGLAFLNVEYFD VAFIITTVFLWVKVSATTVSCLPLVYVLYKYLRLRKLSPSPSYCKLAs
6917	254	652	GRSLSFKITFLWVLSIYOGGILMYGALVSEFV/HVAIIST ALLITELLMLVALTVEITWHMLMVVAEFLSLSCYCIVGSGLAFLNVEYFD VAFIITTVFLWVKVSATTVSCLPLVYVLYKYLRLRKLSPSPSYCKLAs
6918	28	921	PEAGTRSWLSPDPEDELRFLSAAACRSFPQNLPGGGGGVSSCS DTDVPLLLMLAVKSSEGRFPAERQVRETWSPSAPGIRLFLLLGSP VGRAGPFLDLSLVANSRRYSDDLLWDFVFPNQTLDLILLIILAW LGRHICPTVSFVLRQAQDAFPVHTPALI AHLRALPPASARSLYLGE VFTQAMPALRKPGPPYVPESFPGYCPGTYPASGCGGYVLAGRLAPW LJRAAARVAPFPYEDUVYTGICLRLALGVLPQAHFPLTAWPADRT ADHCARFNLLLVRPLGQASIRLNWKQLQDPLRQC

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			DCYPLPTPDTSPLEDVDDPDPAFFAAFPKPGCUPAAGTYSYAQVSDYAGPPPPAGPMHPRLGEPEAGPSIPGLALPPSALHVYYGAMESPGACGGRGCFFOMPOPIQHOOHQHOPHPGPQCPPTPPFZALPCRDGTDPSSPAEELLEVDRTEPEQYLHFVCKPEGLPYPQGDHSQVNLFDSNGAIISSVSBDAASSAVYCNYPDV
6927	2	1484	ITLGDIQLMQANNAHLEELHYTQDILHSLHRESSCGFGAWATDLSTDLSQLSVSKCYEAEEAIQFQRDLKSQNPVEHYYQVLKRGKNGIRNNGIOVYMMQAFQSERLVSQSAEQLWKKRFSCTFERHNWESIEADTAHNAALLCGRMLRMCAAHCGAGDELKREFSPPEGLYNNKAIDYVLLKALRSIGTRDTHPAWDVSNWELSITTYFIMATLQODYAPLPSRKAEQEIKEVSEAMMMSKLXCYCDVDSVSARQPLQCYRAATIHTHRLASNSYHCSLQRNQVDEHLRKHVRVLADLHYSKAKAFLPOLLKDAPCELRVOLVERAFAPEFMQSNSNVGKJLKTSGALDINVTEHAPOLIQKEIIEFPQPKSGDAAAADASPSINRREEVMKLLSIFESRSLFLLSGSIKLLSSTKKTSSNIEDDTILTKNNHHYISQQLRATANKTATLIERINIVHLLGQLAAQSAASSNNAV
6928	1085	777	EADILNLLNLQVEMMKRYSVDTLSDHPWQDQTWTLDLRELECKIGERYTIEHSDDLRMEKYAGEQGLQYPTTHLNPSASHSDTFETEETEMKALGEVPSL
6929	1749	607	FDFGTYRDRSVAPEPGDVSAARTSRGGGGGRSATAMPPVPPNGNLUQHDDPDULRHNGNIVVVAQRPSCSRQPRPDRQIKPQPGAPGRGSRGFAAGGCLICLQPPDGTCVPEEPVPPVPMWALEKHAGLQOFREQEVRDQGAINTNSTSAQKNERESTRQKLALQKSFDDPGLPYITSCSKSGKPBLSSRLQSLQSLQIICFVNDGSSDSDSADDKTETTSILDTEPLSMPSMKQASSYSDPRTTEEESSESLEDMDFTLTQKQKUQAEAOYALJMAKPMKAMKMOVEEVKRNKKSFVADLPHMPHPIBECLMKRSLKSKPTDLDMDTIGLQLVYNDLHSLQ12SLNSELVQILLQIRDELHYTEQDMMLVDLIEDLTQAEQSOQKHMAEKMPAK
6930	131	545	FKUTANVFPVSLFOMMNNPFHRYPI#PSLQLEPWFVDTWIVIQVATSYTVVPVFLLISKPLS1KFYSSWVYVCLHILGILVLLLPVVKTORRNTTHENIQLSQSKXFFEGENSLQQNSFSTINNCVNQNEIASCSSLLQ
6931	2	659	FVERLDRNPAFCLIVASQGAGLGVSAQSFLHCFTMASPAFLNQVATPGKGAMEFVUDTVESNARVQDFELKAYAASPALKESIDGARYHALIIPSCPCPQALITDLSASSGLSALARLILQHNFSESKP1FLPHGQHVAIAACCATNEORSWVFDSYSLTGSPVCLVRAAIGPFLVVEDFVHDGSGCFPSAEDVDAVHVLHLLVTQWAESTPVAVCNCVHLLRDNF
6932	2	1131	FVDSFGQGEAEABERGGIQQMSMRMRHSPGASVSESSSPGPKKSDMUGCRSLAAGHGYIHSHEKTSIKYVQPKSHPSLPSVIRQACVRSLSCEVCPCGREPIFIYDQHGFVTSHTFQKIDSLEARFQRWYSLITIMMDRLYLLNSWPFLLGKVRCIIDEQGKALKVFRAEQFCGCPORAQRMTNTAFTPPFLHQGRNGAARSLSLTSR7DDNLWACLHTSFAMLIKACGCSRITERKILRGAPTFDTWVQMEKLADLRESESSEWSNSKAEEKEKAPVLPESTEGRELTOQPAESSLSSGCCSWQPKLPVFKSLRHHMVGQVGRGOTAHHELLZRRANHGLCPLPTRLASGPSTLKITQEVTDSSLGCMLHMAQGVGGII
6933	1431	890	SILINACTLPPPPPPHPOYVAGYPSDKEGKKPGKGSKQKPSGTTKRPISDDOCPSASKVYKASDSEAELIAPOI/TPQQQHLLREDQCNQKLMDEVLSHLVEGPNFLIQLXQESFWCVCQCQHLYVQFVTTCEFENVCKDQIQRSTFKAQVPSCPACRHDLGQNYIMIPNEILQTLDDLPFFPGYSGKR
6934	3030	2588	DRDHSGCCGIGIRRVALARVASSVSKLISKARIITVKMFIIVLAFIGCWTPFFFVQMWNSWDANAPAKEASAPITVMIILASLNSCCNWFYLMLFQGHFLHEFLVQFLCCSASTLKGRRLGETSASKKSNSSSFWLSHRSSQRCSCQPSSTA

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6935	886	543	HSALYVAGGGNDGTSCLSNVERYSPKAGAWESVAPMNIRRSTHDLVAMDGWLYAVCGNDGSSSLNSIEKYNPRTKNWVAASCMFTRRSSVGVAVALELLNNPPSPSPTLVSSTL
6936	1347	567	RSHHRQFLSLALLEFFGKSHSPFPFHRLFKPSLNLYHSHIPFTLTCFLHFLRKRLQKGEVGVLSVETSKPQVPGVGGSRKVKPQEPKATVMEKRLOAEQLYKEEGNQRQEKGKYDARVYRHLALLQLRGQLDPSLSPPLNLGLCPGPALTPQEENILHHTQTTCYNNLAACCLQMEPVHYVEREYSQKVLRSOPDNKAVALYRAFGVAFHLDQDARYHLLAAVNRPQKDANVRYLQLTCSLESSYYHREKQKLGYLMGFC
6937	1	727	AVEPRCCPGRDFACPARGNWILDEVYJGTCPCDQACRPTGCFDYLDRACPAPCFCVGEMSPWSGCADQCKPITVTRVRBSVQEPONGGAFCPCPBLEERAGCLEYSTPGQDGCHYTVAFFITSANFKERTRQATSPDHMTHTEIDAVGCMERKTBSLTPHCALENRPLTIRNQYMLREQXTWVCDVCP?MGSVLSRCSGDPQLDSDQGTQIHLWQAIGNPRCGQTWKKVVERUDOCSCPAPHSFIFI
6938	3	719	HSRKLLELAERVDTDFMOLKKRQSSEKENDLNGTLLTGVAVVVDHSGIVAAAVSSGHLAKWVWGRVQQAALYQGCGWAAENTGAHNPYSTAVSTSGCGEHVLVRTLARECSHALQADAHQALLETTMQNKFISSPFLASEDGVLGVLGTVLRSRCSAEPDSNSQNKQTLVWQHNSHTESSHGCVYGMQADGKATHISRLPPGAVAQQSVAIEGVCWGEPESELTIQAECRASQRIFRT
6939	3	810	KVTAPPRPQRYSGGMSDNSVLSGELPPAMGRITALFLHISGGSSQYESLERSRDTGTSASAPDMSMSESQASGAPGARTRSLSKSPKKA TGQLRRRLIPALPLPTTALGRKPXLPQGWVUDLPPPLLAGSLKEPFELKVYHIDUVERLQRPRPTPRAEFTQGLACVSTRLLRERQRQRQRLREVQAKHHCLCELAETQGRNLLEPGRVRLQFEDVPELEPESEAELYAALERATAALBQCVNLCKAHVMMVTCFDISVAASAAIPGQEVDV
6940	1188	496	GEMAAQPLRHEHSCATPFRGDPCCGTERADIAQASFTSMEDTQVVVGSSPLPGAGLGAEEPAAGPQWLPERQCAVPOCAOCHAVLADSVHLWDLSSRLGAVVFSRBSVTTNVLEAPFLVGLIIGSLKGS TYNLLFCSCCGIPVGFLFILYSTHIALAALRHFCLSDMVCYILLTKAIIVNASMDIQNPVSEKIAELKEVITNHRLKSLMILKSEUTPDQSKPEN
6941	1	713	SLSRADSIUPHGPHTCIGVAVLIGSNVLAALABQRAEAALGVQA VULSAAMGQDVRSMAQPYGLLAHVARTKLTPSMASQASVEDDYHLLAELAELQJPDLCLEALETNAMEGRGPVCLLAGEFTVQLQJ3SGRGGRNELAJLRVGAEALRWRPLOPIDVLFSLGQDGPTEAANGAWTITPNSQAAEGLDIATFLAIIHNSHTFFCCCLQGQAHHLHTGMOTOTNMDTTHLFLPRLP
6942	1	246	GDYVEREYPTDWTWIMGAPLSMPTNTAVGCCCLCDRLYADGGYDGQTYLNMTMSDYPQTINWTFMAMSLNITGRAGACVVVIQKQ
6943	1	739	PMATGDAKATIAIHVKAITADSIRITWTAKATLPPASSPRLSWLRGHSPPGGSITETLVQGDPTTEYLTALEPKPTYIICMVWNETTNAVADETVPVCAKARTADNSYGPFTTILQONQAGPMASLPLBLAGTIGGAVALVFLFLVLGAIWVYHOAGELLTRERAYNRGSRRKDDYMEGCTTKDMSLILRTRGPGLQMLPINYPAKEEYVWHTIIPSNGSSLCKATHICYCTTRGVDDGIPDIDYSYT
6944	960	156	VNILLIANGVYKESLTOSSERAEOPLSVGRJCSTICNPKALITLCLVNMHFLQWLSFBRQMLFLFTDPMGSVVFQGDPK2P97HTSBAYQNYNSCVTMCJWOMCILIIYAFSAFYSAILEKLEPFLSVRLTLYFIAYAFLGLGJGLATLSRNLVVLSCLITGFLFSTLCTLPYSLCDYQSSKKFAGSSADGTRGMDVBDISLSCQYFQALILWISLVLGFLTSAVGSANGMYFSSLSVSPLGCLYSSLPVYIEPTEPSDAADEHRRPLLIINV

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6945	2067	179	EGEDROLRPTTGAGLGTGTRLAAPWGRACGGLPRLPTTAPAAQGC HSKP[G]PARPVPLKKRGYDVTNPHLNK[G]AVTLERLRLQHGIGHL I[PC]FLS[QDV]LLR[Q]MRYRERQQSD[L]DKYIILM[L]DNRNEKFY PVLTSDEVEKFP[V]TPTVGLCQHQLPFTRRPBCF[IT]IMDKG HLATMLNSWPEDNIKA[V]VTDGERILOG[DLG]CYCGM[IP]VGKLA LYTA[C]CG[W]PQQCLL[P]VLLDG[V]TNEELLDPLYI[G]VHGR AYDDLLDFMQAAVTKPG[IC]LQFEDPANANA[P]RLNKYV[N]KY CMFNNDI[Q]TASAVAGLIAALRITKNGLSNH[F]GFOGAEGAM G\TAHLLVRAAL[K]GVPKA[EATRK]WV[MDP\]KELIVQQRDH LNHEKEMFAOD[H]PEVNSLE[V]VRVLPKTAII[G]VAAIABA[P]TE QILRDMSA[SP]HERP\IIFALSNP[T]KACTA[ECKYRVT]GPRGF FA[G]SPF[G]VLLWEM[G]TFI[G]GR[G]NA[P]TPRGWQLOVWS[P]G GD[G]H[P]D[E]FLLPDS[R]AKLP[G]EVSEH[S]LQGRLY[P]LST\IR NVLFLIAIKFD[G]YKHNLV\SYYPEPKD\KEAFC[KL]PSGYTPD YDSFYT\VDYVIMA[G]KAMMVQT
6946	133	2551	SCEYSGITVARGDP[CP]GVHILLAPMSADY[PE]SMLALCTDFCLR NL[D]GT[L]G[YL]D[KET]L[R]HDPDIFLPS[E]C[DR]LVNEYV[EL]VNAC NF,EPHE[S]SFNP[L]FDP[K]RQ[P]ASRRIH[A]RED,L[WQD]Q[LE AIR[K]QD\,VEL\,VLTN[C]ECKLAKS[K]Q[TR]L[RS]SHTLG[P\]AFG C\TNILLRKEN[D]G/[CEDEVLN]P[TC]Q[V]L[KD]T[TE]FECFRLR P\,LKGMRIDW[P]VES[L]LRPLNS[L]AALD[S]Q[TS]DAA\,FLTQ WD[K]DS\,VSLV\,YNN[DL]SDHHRV\,V\,V[OL]H[K]RELDIS[R]DLS YTKFKL[TE]EV[L]S[P]VQ[OL]GNL[MS]D\,S[G\,W]M[LE]NC[S]IS[K]GK EAQGCT\,EPSK[S]SI[P]FRG[F]EGG[P]LQ[P\]LGFV[G]CRJ\,TH I[P]AYKV[S]KNEE[Q]V[LA]N\,B[AT]T[ER]H[PE]T[SA]R[IN]L[FD]I[AR]I[IE KC[N]Q[LL]R[AL]K[L]T[AL]K[CH]YD[R]N[I]Q[V]TOSA[YL]V[IN]SEYR[SS QSV[K]L[R]Q[V]QV[LN]G[M]ESY[Q]E[V]T[Q]R[CN]C[L]T[LC]V[EL]F[E]F CYR[RV]N[EL]L[S]I[NT]R[Q]D[B]O[Q]R[IA]V[HC]N[AL]CQV[ND]H[KEA V[G]M[G]F[V]T[ML]K[L]T[Q]K[L]D[K]T[C]D[Q]V[ME]P[S]W[AL]N[T]D[TPD N[EM]F[L]N[FG]M[K]L[F]D[C]I[N]F[E]P[K]Q[EL]H[RN]M[G]L[G]L[V]A[E]V[K] R[Q]P[LM]T[S]F[IS]V[F]S[N]L[ES]K[AD]G[IE]V[S]N[Y]A[C]G[V]L[SH]M[F]D[G]P[E]A W[G]C[E]Q[R]E[E]V[E]R[M\]A[Q]S[W]D[IN]S[R]N[Y]N[R]S[F]P[E]R[L]L[P]Q G[IS]P[V]S[OH]W[AT]W[L]V[S]V[Y]D[K]C[P]L[K]I[E]G[G]M[P]L[L]R[D]I[K]M AT[ARGET]K[EN]M[ARK]V[IR]C[S]N[F]K[EE]N[DT]S
6947	2	1682	T[SV]T[PI]PGLAS[RA]Q[ES]S[AR]C[P]V[WR]R[SP]H[RA]E[G]R[G]L[EM]A[N]P S[O]S[P]P[P]S[Q]R[VA]S[G]S[B]S[K]V[2]L[Q]G[R]S[L]M[D]W[IR]L[Q]S[G]D[L]T[O L[K]Q[R]L[IE]T[EE]R[L]K[HN]K[K]D[D]W[C]I[R]G[V]V[N]C[P]M[E]Y[P]G[G]E D[E]L[M]R[A]G[S]D[O]T[E]L[F]C[Q]V[H]R[N]W[N]Y[E]S[L]M[X]C[LV]G[R]M[A]K D[Y]R[E]E[K]V[L]N[O]M[L]P[K]S[Q]V[T]D[T]L[A]K[G]P[S]Y[S]D[I]W[F]Q[D]S[L]V[T]I /[E]H[I]V\,T[E]G[Q]F[L]N[Y]S\,S[E]F[L]Y[S]N[Y]W\,[K]A M[K]F[K]I[L]C[G]L/[C]E[V]G[K]I[B]I[V]L[Q]K[K]E[N]T[S]W[D]F[G]L[P]L[K]H[N]S I[P]R[K]D[G]L[Y]R[K]C[Q]L[IS]K[ED]V[H]D[T]R[L]F[C]M[L]P[P]T[H]L[Q]P[Q]I[Q]Q H[V]L[K]L[P]T[O]T[E]V[K]P[Y]T[V]S[G]S[L]S[E]F[K]P[V]L[P]N[X]Y[I]V[L]K I[Y]P[G]L[F]P[E]D[L]Q[I]G[F]F[V]S[V]S[P]P[EN]K[F]S[K]P[Q]E[ED]F[FL]A A[G]Y[G]F[P]W[K]L[N]Y\,A[T]D[I]S[L]R[X]V[K]L[M]P[F]N[K]T[D]D[I]W[R]S[Q]L[E]K[L]A[P]K[D]K[R]L[D]U[E]F[V]S[AP]T[SE]M[G]K[Q]G[H]I[S]P[LL]S[E]F[L]K[R]N[L]D[K] S[K]V[L]C[I]C[G]P[V]P[T]O[G]V[R]L[IA]D[L]N[X]N[R]H[S]F[T]A
6948	104	58	P[D]G[K]L[LS]R[PL]T[R]P[G]D[D]S[V]G[S]A[V]A[S]G[A]G[G]G[G]G[G]K[I]R[T]R[CH C[R]S[H]Q[Y]D[N]A[V]T[C]A[C]Y[E]G[E]E[V]S[V]P[V]K[T]A[S]D[S]P[W]M[G]L[A]R[Y A[M]G[V]V[Y]C[P]C[G]V[V]Y[S]G[R]O[Y]P[N]Q[D]P[V]D[V]R[V]T[E]V[I]V[P]G[T D[G]F[L]D[N]N[N]A[Q]L[L]D[G]N[W]M[A]Q[S]V[E]L[S]Q[P]T[V]A[T]V[S]W[G]P[D]I A[P]A[Y]H[R]P[N]S[Q]I[L]S[C]M[K]C[A]T[S]F[K]D[D]T[K]H[I]C[R]A[C]G[G]G[G]F[C]D[S]C[S]K T[R]P[V]P[E]R[G]W[G]P[P]V[K]V[C]D[X]C[Y]E[A]R/[T]P[V]C[Y]R[G]T[S]G[R\]R[R]R[T Q[E]V[E]
6949	152	4656	G[K]L[K]L[S]R[PL]T[R]P[G]D[D]S[V]G[S]A[V]A[S]G[A]G[G]G[G]G[G]K[I]R[T]R[CH C[G]P[K]Y[Q]G[G]R[Q]H[G]Q[G]I[S]R[V]T[E]S[V]K[N]I[V]P[O]W[L]Q[Y]F[N]K[N]D[E]W

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			SCSTDTSEVPMPENKEEDHLVADDEISSNTITGRITPEPAVNST EEFPTSTTAST/VPDVLTRVSLVRSHLNSVMSLEP9ALHQC9SSTS SAFFIGSSCSFCFLVKIKDSTSQHDDN19TTSGFSSRASDDKDT VSKNNTSLPLMSPEABRSHLSLSQHHTATSSKPAFNLSPGTL9SP SIGNSSSLILKTSQLGDSPPYFGKTHTGGAAAACAVRQSKLKNRTYQA PVRQCMXAKQJLSQSYGVTSSTAKRILQSLERMSPLADAKRIP SIVSPSPLSPLDLRSQIDITDPGAKREKVDQSYPVVPRQLRMKPV SIATNRSSVYFKPSLTPSGEFPTRTIRDKCSTQYEEKNTTPGQN FEQRESGPSVYNPSLPAANGLSSGVGGJGGKMRKRERHAFVASKP LEEEEMEPVPLMILSLPITKSSSLPTFTNFSSE17TTSFSPINSS QALTINVKVCMTSPSSTGSPMCKKSSPIVKESTEANVLPSS1GFTF SVEVAKTAEELSGGSSTLEI1SSAAHH1VTNTNSKTKTPEDEC EGFFPRAELILKE33SVLDLILSPGPASPKD15DVAQAFATSPVY TRPAISAFSSGICGFGESLKGASSWQCDTCLLQVKTLCNACIAC QAAKLSPLRTAKTCGTQJETPNKSGKTLTSAASGTGFGDKPKVIGT KDCDTCVQNKPEAKICVACERTPKPGTCVKRALTILV7VSESAET MTASSSCTVTGTGLFGDFKFRPIGNSKCVCCVNNNAEDNC VSCMSEKPGSSVPTSSSSTVSPSLPSGSGKPKLGFQFBDGWD ECLCVNKADESTKCLACESA KPKTGKSGFGFDTSSSSSNSAASS SFKGVG3SSSSGP9SQT1LSTGMFKPKGDQGFKIVPSD3GYVIMP MSBGF7PSKHMIVCFPQVSESEK2UVKD3DNWTFKGLF5PGL SNPVLFTPQFQGVSNLQCBKEKNEELLKSSCAGFRGOTVGINSTR VPAINTVTSRNKS9NLGTTLEKSVSVAFLKCQTSSEAKKEEMPA TKGGFSGNVNEPASLPSA8FVFLGRTEEEQEFVTS7TSLVFGEG KLMKEPKC7QPVFSFEGFQRQTRHEENSSKTSFWSMTPKSEKE SEQPAAKATFARAGQATNTTADQAAKPDLSYLNNSSSSNSPATAS AGGG1FGSSTSSSNPPVATVTFQCGSSNPGSSS1APGNTAESST SQSLLFSQSDKLATTSTSTGAFTFVFGPGGASNNTTSFQFGFG ATTTSAGSSQFVFTQPSAPASPAFQGNGTQFQGSSQGAS9QF NPPGFSISSSSTALPTGQSOPAPFTFGTWSVQSSSSQPPVFGQDPSQ SAGSGGTTFNSSSAFQPGSSSTTNNFNTTNSPSGQFTFGANSTP AASAQPGSSGQFFNQSPAAFTVGSNGKVNFSSSGTS9SFRKIK TAVERRK
6950	2585	411	PRFGPGRSGSLCRFAGERGAEVAGGLSLSERTRAS*IMDELHYQDTIS DVEPQRDCKVCKVTHSEDEQJQRALVRQFQGQDWKFQFLASHPNR TDQOCQYEWMLPVLHPDLVKGWWTKEEDOWKWL1ELVYKUQCKWTI IAKHLKGRLGKOCRERHNHLPDVKKGCTWEEEDRJ1CBAHKV LONRWAEIAAMPLGRTDNAVKAHHNSTK1PQDQGK1K KPPVYLLLELEDKOGJGSAQPTBGQGSLL1NWSPVPTIKEHHN SEEELAATTTSKCGP1G7D1LAVKTPBLLKEPREDQECGSSPP ETSLFYKWWVVEANLL1PAVGSLSLSALD1IESDFDADLSKF DLPEPSAKEDS1INNSLVQLOASHHQQVVLPPRQPSA1LVP5VTEY RDLGHITSLSDSSRGELELPI1PSPTVCGGCG1CTPPSVLKRQK RVALSPVTRNSTSLSPDGCNSL1TPKSTPVKTLF5F7SSQFLNP WINKQDTLELELSPSLTSTFVCQKVVV1P1LHRDCKTLPQJXHAAF VTFDQKYSMDM1PHTPTPFKALEYKYGELKPLQPTH1LEDLIKE VLRSEACIEL1LEDDR1PEKOMKPKOLRSP1PKVRKS1LALDIV DEDMKIMM1STLK5LSP1TTAPNSSL1TSLG1KMSL1LNGOF 1QAKPKEAAVAKPFRSHFTTAPNPSANKTVAACGGR1DQLFMQB KARQLLGR1LKPSPHSRTL1LIS
6951	1940	239	ACGDDTTKES1GALVQCOLLSL1LL1LTERLAPATQ5FSPRESL QVLPSPGTPGTMWTAQPSSTRPSVVM1LTNPDPGPPSQAAPMA TPTPRAEGBHPPT1PSFPLPSL9R*PP1LKA*PSSTGAPAMAT TSSKPEGRPRGQQA1PT1L1T1KPGATSRPTAPPR1TTRRPPR PSSSKKGQAGNSSRP1VPPAGHRSRKEQGRGRNPPS1PLQKRP LQK1FQ1GKNT1TOSVEPEPSTLTPRTPLWNGYSSSPQPQ1TVAAT

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			TVPSNTSNAPITISLGPAKDXPGLEKRLRQAGGSGTFTSQGGTPDA TAASGAPVSP/BSCPSPAFSAPPRT/PTGWQP**LLAYCYP/CT SRPLSTSGVSP/TAQPTPAAFDTGSVSPASQCGIQPGASTT/POQAP THPGRVSSESTISGAXEETVVA/PSP/PTGCQVLSLSTQPSA/ARWISPGC*S STANSPGPQGSLQQGTSPMWPRGTTNTRSTPSPS/ARWISPGC*S NPDSACSPPP/LCAQDGVLHIEEEEDR/QPGBQ/EAQYGNNT/HQPGT TFQQAC\RAQAGP/EIPVPLKLPLTOLSEFSPANGDYR/TGMGVPC
6952	658	304	PESEGESEGEMTDRTYIHSQLEHLQSKEYTGAT/ATPTPFGSGSCVCS PTPLRVLLLHQPLRSPQLLRHCCE*EQSPLQDGDASALWT ASRQARAEILRLCLTAVRGTTSVSVPCVQCS
6953	1512	349	EWGKTRALASGSHVPPGQK/NPNKNS/VHCCDS**RETTIODES FSPHFRGKMGVVV/KLEKELENTECOPVGNCNEQ/EHEVGNLNSD PLLELCQCPCLQDCCSREQDIAHRYQHTAAVSBKSYNS/CVPC GRALSPSGSLGRHLIHSDEQRCSNCVACGARTPSHATFNSKELP EVLMNESPLTVHNNEGSSSAEGKDIAFSPFVYPAQGLLIVCNQJL YRKLEACTPSVRKAVALRNRNPELVEBLRCRERATAKKSREN HPPEREERVRMRDRDREAKRLQRMQETDQEARRRLQRDRDENMLRR AIEPEKQRQARLIRREBRAKRLKRLRLE/IMEMMLRAQFGQDPBSAMA ALAAMMNFRDPLPVUSOVELDSDQLLGRMFAEENQNSSSLH
6954	819	1	PPPTT/TPSHPR/REACT*AG-KRSGDSECFSPVFE*AA*TRAACQ *PQR*RTWEGNSDQASAVAT/POQQGASAAPR/CTP*/FSRRHKLPLP PGARPPAG/AAPAPTKWPWLGPAGPASAPQGPMLAPS/PAPPFLTR *CAGAAAARGRPRDRRSRPRPTIGGCCWS/EPRTTPAVASQA/CTPS DAO*AGGR*GCRCRPSTGR/*PGVVGAGRSRHRREGTI/PQNPNHPR AS*RAGRW*PGF/RENGL*EPQOEEEMSOPGGPGCQAPFNQVGS VMQAMSTG
6955	1968	782	PPGRREVRQAQVAGAPVGHWGRARQVITGCCRRAARRTTEPFLGQD WRSQWSNKTEDGWKRKCESCSCLRERENHICNHSIIHSIINSED GEI/FNNNEEHESYAKRKDKDHFNDTNTQSFYRKEWTVY/KESTK ERIGCYCTLGBAFANRNLDFSSAIQDIREPNTVVKLQLIAKSOLTS LSQVAQKNYFNILDMDIVQVFLUDHHWPRLKDQLQDLSTCLIL /*N*RSREVC1SCKHQLHDLP/IRNYSRHLATATGSSSD*AS'E/NG LTLSDLPLHMLNLLYRPSDQWDLITLQGQVTPYLMS*SEDRQJLN KKLQYHPAZSKOFCRHLILS/EXGHITBWLMLFALQHCPYBAXEY CDTLHPCRHIC3LFWKDCGHPCTAADPUSC/TIVSP/CFQHDFPK P
6956	8605	3839	QTSTSIFASPTSPPVGLGESVLDQNSPDLIINGSLAECOBEMETQSS DFFPPLSLQTPADPQSSSTIQHLPATSPAVSPTTSPAVSLVSPAAAS PEISPSBVPAASTPAVSPAVSVSPASSAVLSPAVSPLTAVS TSPKASPVTSVPAAMPTAS/PANKDVSSFLETTADVEETTGELIT ASGGSDVWMRRLIAPEEVRLPLQIGWNRREVRIKKGSHRNQGETW YGFPGKERMQFPEVTKYLISRNVHHSVRRERIFSFSPRMPVGDFFF EREDTPEGLQWVOLSABEITPSRQIAUTSKRGRPRN/TEKAPIKEV PKVKRGRGRPKVKI/TELLNKTON/PLKXLLAQEITLNEEDAKAI AKSKKKKKRQXVQRGECCTTIQGQARNKEQETKSLQKEAKKK KARKEKEGKTTQEKLLKEVKRREXXKVIMEKEEVTAKPACAD KTLATQKRELEERQRQNLIEEMKXPKTEMLTDHOPDLPDSRVP GLTLPSGAPSDCDLTIVEPLFHSFGVVLGFDPADQVUSLQVLCQEGL LQGUDGSLQEVQDILLVRLKALHDQFGFSGYCQSLKALLGEVSEKI PLTRDNVSSELLRCFLMAYQVWEPALCURLRQPFQDQPFQDQPF LAFLVHLNGSTLIIINIDKTLIESMSYRKNWVIEGRLERLK VIAKKTORSEVERMIGPEECIQRGRSSRIMVE'SGMEEEEEESI AAVPGRRGRGRDDEVDATASPIELEQRIEKLXSKQLFRRKLHH SSQMRLAVSLLGQDTRYRRYWWLPLLAGIFVEGTEGNLVLPEVVIK KETDLSKVAAHASNLNPAFLSMKMEALGMSNTTASSPARARORPRK

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			TKGPSMOPRHLKSPVRVGQDSEQPQOQLPENALHAPAKQDPOLOLQLQSHKGFLPDERGSPSLQGSQSHDLQSQAFLS9L8LTSOTOSHSSLLSSSVLTDPSSPKDLPAPBQCPFEEPEPFDDEAEASSVDFDQALWNFIQAMQPNCNAAPTPTPPAVSEDQPTPSQQLPKWMMRNPQNSANPCSPVQFSSTPLAGLAPKRAKGRGDPGEKMKPQFGLQKRRGRPFSKKFVKQMBQRQLTQLTQJFVVPVPMCGSQWWIRKQVIMSLDQITCPSPDTFKQMBQRQLTQLTQJFVVPVPMCGSQWWIRKQVIMSLDQITCPSPDTREDILAYCERHSLSQEDITWGRGRGREGIPTKPNTPNLDLAVNRLAALQNQERRYLMLBPLWTHEVVLEKOLLSPTNGAPEGTTEISYEITPIRWRQTLERCRCSAAQVCLCLGQLESRSVSKVNTCLVCRKGUNODEFLLLCDGCDRGCHIYKRKGSGVSLNFPSHGEVRRVLLRGRESPAAGPGRYSEGLSPSKRRLSVMRNHHSDFCCE2II1LMEESHDAWPMPLEPVNPLRLVSGYRRRIKKNMDFSTMRERLRGGYTSSEEPAAADDALLVUFNCCQFNEDDS2VGKAHHINRRFPEPQYOGKQOQSVRQGVWGTNLHLPPTQTCKTCHFLMLPMPWQZQVRYNDP
6957	82	3514	HLLIVAMPPEPTKKKEEVPPVAPAPPBPESKEKCATGTTPLADTFLVETPPGEOBQAKNQSSLILFLLKPOCCVTKVYGBDITPIAKVKAEDLSEKPITINGSKHWLDSLASKAGKLHQLKETTERHGRVYTVEHQIIKADKDNFGANRYCVTYDKDPSCSFDELVHESGTWTNNIDIRSAFKR5GGGQDAGELDFSGSLLKRRE3VQOEEBGPQDVWKLKNTKPSFYEKIAQYESPTCSGMLLRLKKSISREKKSAAK1KLPVYQVNDG3GRVRFVVELADPKLVEVKWNKNGQELRPRSTKYIPEDTRQCSILN1LNQMDSEYVYTADEKCSTTLEPPIVFTKQLEDTDDYCVEREVELECEVSESEDADQVKNFKEVSEEDTPTMRKPDHHIEGKKHILLIGATAKADADYSVMTGGQQSSAKLSDVLKPLKILITPLTDQTWNLGKEICLKCEISENIPGKNTNGNGLPDRKQVWVHKGRIHQLVNDIHALTERGUDVFPADPAYNTVTPLAKVHVIDPPKII LDGQDADNVTIVIAGNKLRLRLEIFISIGEPPKAMMNSRGDKAIMESGRIRTESYPDSSSTIVIDIAEBRDDSGYVHINLNLKFRAGEHASIKVKVUDFPDPFVPAVTIVIEVGDODC1TMNWEPAVDGGSILGYIEBIEKKKQSSWNRNLFDLCKBTTFPEPKMIIISGVAYEVRIAVVNAI1G1SKPSPMSRPVPLAVTSPPTLTVSDVSLDITVTPRMRKPDHHI GAAGLGDGVBLVEYCPEGSTSAMQCDENGBAANDLBACDVIYANKDLDKTKPTITGLPTDAAKIPRVEKAVNAAGASEPYKYSQPLILVKEIIEPPKIHSPHLKQTYIIRRVGDRVILV1PQKPLPPELTPPLWDKUGARIDMNQIINIRNSETDTIIFIRKAERSHSKGDYLDQXVQDKFVBETASIDIRIIDRPGQPKIVKIEJUVQHNNRQDTCRQDNCNAITGTTIQADKKSMSWIRVIEHIIIEFVPHITLVLIGNEYFRVFSSENMCCLSADATMTEKSAVIRDGKIXYKNPVYEDDFDSERAPMFTQPLVNRLCHSGYMATLNCSVRGNPKPKITWMNKVAIVDPRYRMPSNQGQCTTLEIRKPSYDQGTYCCKAVAVLQGIVB1CKLVEKVIAQ
6958	274	1663	PTSRVKTBEQGQSSAAMDPSVVKVDIEK2VTPC1CBLTLEPLSLEDCHSHSPCQICITAKIKESV1ISRGESSCCPVCOTRPFQGNLRPNRHLANIZVERVKEYKMSPOEGOKRDWCHEEHOKKLQ1QFCBEDGKVICWCELSRQHOGHOTRINERVKEQCEKLVALQRLKENCEAKXLEDDIRQERTAMKNYQIEROKLILKGQPNMRVILNEBQRELQKLR3BEGEVNVLDNLAAATDQLVQQRQDASTLISD1RFRGGSVSEMLQDVLWVKMKSRSWTLKFWKSVSKLXKSVFVVDLGMLCVLKEITDVOQTYWVWNLMLPQGSATNSVAISVSDQRQVKEVRTC1PKNNSNPCTDSAFGVFGCQCYFQSKYIWEVJU5GK1AWLQHVSIISSINKRKSSGFADPFSWNTSYKVSYTRPQCYWVIGLNCTEYNAFEDSSSDFKVLTIFMAVLPUVLFPS
6959	1	1469	SLVHVVEFGRG1EDEFYFYLFFQLTHCQCRICSV1QAGQVQNCDHSS

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			LQPTGPGNOSHLSSLSRDRYRMLSSLNNWFWQDRFWLPNPVNWTLEELDRDGRVYPHPPODLLAFLALVLALMLRAFERTFQLSLSRMLOVEDQTRQRQVKPMATLKHFLTEGHPRKEPEOLSLAQQCLTLCQTORWRERRRMRDPRPLTKKCEASWQFVGGLSVLYHESHLWAPCMCWDRYPNQLTLSCPAADESEA/SILWWVLLSGLFTLSLLIRIPFDVURKGCGFPSSKPKRHYPPISTA/FKPVQVIRHFVAVILMTFSYSANMLRIGISLVLILLIDSSDYLLEACKNMVNYMQYOOVCDALFLIFSPVFTYRLVLFPTTQIYTYYTYESISNRQGFFGYVFNGLMLMLQJLARVPMSCILRNLMSYKMKQKQNEKDIRDVEERSSSEEAAAACQELPLQLKGNTAGGPPRPAFTDZGRSRSVAGRLTNRTHTAT
6960	387	2068	AKNAREKEMQEFVTESF/RGRFDLSTLTSIVRRLYIAHSGRSHEPEEKQALKRLEVBEPLKMQVDEAASREDLQLDTKQKRPRTPCSDPMPKRFRFNSSEESGEASSPDPYFGPKARNGVASSERHEDKEENPRA/SAKEEVSDEERORDLPAQESEEESEEGKYKGTRKKPVVKQAPOKAQSXRKQAREESEESAAPVORTAKVNGNKGTKLSKESBCESEEEILAQKEQREBEEVEEKEEDERKGDKKKPRTRSNRGRKSAREERSKQKSKQARLGSNDSEEDBSEKQDGKPTADBSGRDRBPPVQRKESEDRTOLKGKRLGSSEDEEDSGKGPETAKGSKRMARLGTSQHEDSLEREVSDSEAGGQUPQCKRNGRSKSKSGRKPRTRSSSSDPEAANGGRACSGRQEPHDPAVRTRSSRRTAWLNGEAPGELAKEOREEAAVASIDVANITISGSGRPRRTAWLNGEAPGELYRRTLDSDEERPRAPPDWSHMRGIIISDGES
6961	340	1646	RFWSPSTMKPNFSRLLI1FNLNCWTFPSLKHADRRRLRGGFLRFLPESDFLLALEEWSSEQDPOYLRQRLSPTYPAHHFSGRQIYGGSLCVPFSKQYVQELKTPQHLYTQHNTYIYQPMYIHHGDWPSKRAVGVLWHLSGMVILNAVYTHLHAENRQDQIYLAHVAVGAWEILAFQFIHTSKKADVVLLCDINLMEEDLGCCLLKMEWTGLDHAYLETRDPRKGSEENTWVPKNCYVSQOEKLKPFPPGVRIDYLVYAVSGYFQISCKSFETTTGPDPHRGTPLSDEHEALMATLTVRHSPPQONPSPSTHGPAERSPL/MCVCLKRALDGSLIGM/QARWWA/TFA/SYVIGLGL/LLLALLCVLAAAGGAGEAA1LWNTPSVGLVLMAGAFAVLHVQEVENGLYRAQAEQJHVLGRAREQDQGPEPQOLYALL/LQOOGEDRKTKEQ
6962	340	1646	RPWSS1MKENPSLRLI1FNLNCWTFPSLKHADRRRLRGGFLRFLMOSFDSLALLPBPWNEQDPOYLRQRLSPTYPAHHFSGRQIYGGSLCVPFSKQYVQELKTPQHLYTQHNTYIYQPMYIHHGDWPSKRAVGVLWHLSGMVILNAVYTHLHAENRQDQIYLAHVAVGAWEILAFQFIHTSKKADVVLLCDINLMEEDLGCCLLKMEWTGLDHAYLETRDPRKGSEENTWVPKNCYVSQOEKLKPFPPGVRIDYLVYAVSGYFQISCKSFETTTGPDPHRGTPLSDEHEALMATLTVRHSPPQONPSPSTHGPAERSPL/MCVCLKRALDGSLIGM/QARWWA/TFA/SYVIGLGL/LLLALLCVLAAAGGAGEAA1LWNTPSVGLVLMAGAFAVLHVQEVENGLYRAQAEQJHVLGRAREQDQGPEPQOLYALL/LQOOGEDRKTKEQ
6963	374	2618	RVTPLLLKLLKEPKTAQNQKASEENEITQPGGSSXQPLPCLNN/EAVLSPDPAI1HSTSI1TSHAHGTGSSDCDISCKGWTERTIHINLHNFSNVSLTINBENRNRGHHCDTVRIIHSMSLAEORCVLAAGSPFDFGTYLGSYDLSVSVS3QSVOKLIDFMSGVLRVSESEAQIQLIITASILQKTYTDECTRIVSQNRGVDTPGIJDQSDQDTPRGTRPSGTSQDSSTEVYQYLSHQHQSVDRLYISALYACSMQNGSQRSESYFSGAVVSHBETDMLQDPMEDDSWITRJHERSQMRERLZSTIPETTHCRQKOPRFVRQIQTIVGNHNIKQEMEDDYDYYGQQRQVQIERNESEEBCTEDTQAGBTESEPKGESPPGQDPSDPSVSEQQPGPQNAQDSSQAPETQPEQAAEPAEBCGQPTNQLETGASSPERSNEVMDSTVITVSNSSDKSVLQQPSVNTSICQPLPSTC1LYLROTETLTSNLRMLPLTTSNTQVIGTAGNTYLPALPFTQPAGSGSE

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			PFELFSLPQPLAGGQQTQFVTVSPQPLGSTFTQQLPAFPOLASSAGH STASGGCKKPVECYCTLCNKTFTAKQHVGVHNWHTGEKPHCQCSI CNRFSFLKLQDYLK\HWNTHTGVRAQCSICNKRFTQKGSLNVJAM RLRGEKEKSYEYCICKKKFFSHKTILLERHVAHLHSASQWPPACTPP GARAGPGGVVACTEGTTYCVSVCPAKFDQJNQFNDDMMRNHVSDG
6954	1	178	SGRFPPFFFNTDFTVFIKKVTNRMVTAGSSTYNTMKSIGKILLE OIFIG\NCMSMPVLI
6955	757	208	NNPIEPRFCQGMKTSIAFGQKHPDFDSNGLLFPALALEEVCSCGS SGSGLGYNLPNQH\GLLGRNTLVLLGCNRRISPFLCLRKRSDFRF PQEKEVESPQQLQKA\GAMSFLYDVLQVNFNSHKA\CMCEHDL EGPTPHFTSSAAGTGDLGAQDGRRSNSHNGQWIEGSTLALRR PQESISTLE
6956	820	1857	IITALGVRCGNKCPCCPGAGPRLPLTALAEGLERAGGSSP ALRSRGTTACRCLDNKESSESWALLSGERLDWTCRSLCGLLSMV LSGVPPVLLVPILENQTMRLSEAGAWRLKWLPSFALGQJLGNVFL HLLPEMAVYTCSASISPGEGQSLQQQQGLNV\LAGILITFLALEK /HWPGQCGGGDOPGQPQRPHCCCRRAQWRPLSPGPAQCARPRCR GP\DIKVSGYLNLLANTIDNFTHGLAVAJASFLWSKKIGLTTMA ILLMEIPEWGDFAILLRAGFIRWGANLQSTALOGGLGGPFA ICTQS\PKGVEETTAANWLPPT9GGFLYIAYVNLVPLDLREEDPW
6957	162	633	GFLPFKYWILDLSSASRNETDCNPWELSSMSGFGEGSLSLNGFEG TTMMDMRLLEADEVAVDNLVFLAVNNMFVSKSLRCAADVWAVETK ENRNYCCLTEATGLKVGYGAFDQVVDHDLTQVHSTVYSSLDTL\SPAYRATAKR\LLORLEALKRDQO
6958	1	2265	RCCGGGGRGRRGAGAERPFRGPERPTMEAAGGRGCQFHGPGQKQT LEOFHLSMSMSLOGPAFSAWNQAZYKESAKAEEAGAAVAPAV PAATEPPVPLHLPQAPPPPVLPGPPFMSPSDRSTERCEVTLBEGE TISCFVVGCGEKRCLC\POINLNSVLRDFSLOQINAVCDELHYICSR CTADOLEILVKMGILPFGASCGLTTKTAERLNEQDQYQGAP PPCKXHJASLALGIELSERVSRYVHE\CPGKCKGL\LVPELYS SPBAAACIQLD\CRIMVPHKFUVHSHMALKRNTRCHMGF\DSA\ MNRAVYLSSQDYTGKEQARLGR\CLDDWKEFDYQNKYKVRPV RVSSEDPASIRPKTDTTS9S9\APAEKDQGSSWLR\LGSSNSK LGCVHPQRQLSAFRPM\PAVASASRKLSEMLSPALIRDYTYQYK FETAVAPVAPVALADP\AQKVVVSSPPCAAANVRAPEPLATCTQPK RKLTDITPQAPTELAPVAAPEEDKDS2AEEVESVETTSSSLS LSSPSFTSSTSSAKD\JGS\PGARALPSAVPCAAAPAC\PGSLEAEL EHRLQALEGGGLDKHEVKEKF\HEVUNORVQDLSAALQAKRS LHQELEFLRVAKKEKG\CREATEAKRNLRKEI\ERLARNEEKKNA NESRRLRKRELEQ\QARQVCDKGCEAAGRQYQSAQEDLQVQL QHABADREQR\RADLRREREAREHLEK\VV\ELQZQWPRARPE AAGSEG\AAELEP
6959	1855	118	AGTNHGRLKWTISQEAKRLEREOKLILYOSATOAVFOKROA GELDRSVELT\TSQII\GANPDFAITLW\CREVLFQQLTCKSPEEL AALVKAELGF\LESCLRVNPESVGT\HHRCLW\GRLPPEPNWTEL EICARFLVEDEHNPHCNDYRFRFVATQ\QAVP\PAKEA\LTDSL\ITR NFSNYNSWHSYRSCLL\POLHPQDPSGPGRLP\EDVLLKSLLELWQN AFTPD\NDQGSAWFVH\LLGRADP\ODALR\HVRDE\CLTV\ZTF SPR\LLVQCSRNEILLLMWUDSDP\LLIVE\NRTD\GRRN\B\SHWLCDD\LP AMSLNDQ\QPKH\TFRVINTAGDVQ\KECV\LLGROGQ\CRDST\TDE Q\LR\FCI\LSV\KEVSTV\Q\SELESCKE\Q\LE\PE\PKWCL\LT\T\LEM RALD\PLVYKESTLQY\Q\TFLK\AWDP\K\ATY\LLDDLSRKFLLENS VLM\NEYAS\VRVLLH\AH\KDLT\VL\CH\Q\LL\T\H\Q\N\H\T\RT FP\ALALA\RCLED\PPRT\VIQ\Q\SON\AI\ES\LOG\VN\LP\RI\Q\LL CNR\Q\PAV\Q\LO\Q\SC\PR\LLV\N\Q\N\Q\LP\Q\AV\G\B\Q\LA\EL PSV\SSVLT

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			SDVPGGGGSEPIQDAGASRDEKEKAASEJEDQNTAAECCRTRTLP PPPTPLLELIEHCPCMILKGLLIPACKLKIVFDLLKDEAPKQADIAS KVDAACASCMERLLDCICANWGLLEKIEQGSNTNATANVYLASDGE YSLHGPIMHNNDLTMWNLTYTLEFAIREGTQMHHRALGKKAELF QDAYQSPETRFLRPMRAHMGTKLTAQCQVATANFLNSFSACDV GGCTGALAKAREAYIPEQVTFVDPDILPDIILAHQPFQPGOVAQO THFAGADFDRDPLSASLYVLCRILMHDMPDKVHKLPSVRVABSC KGPGAGLPLVDEEEBKRVAQRALIMSLNNLIVQTEGKERSLGEY QCILLEHNGFHQVQVHVLGGVLDIAL/_PKKPPFEAQACJSL
5974	3082	2172	RSCNAFAFSRPLTLEFAPPGKSRSRPGGRVATSAQACLSVBRK LLAATPGLTGYQATMVTKTLFALCILTAAWWRVQLSPLTAPSLSV SLTPNIVPPTTITSSPONTADATASPNSGTHNNSVLPVTAPAS TSILPNKISIISREBEEITSPGSNSWEGINTDP6PGCGFSSTSFGGVH LTITLEEHSLSLTPGAQVAAITLSSAALPPTLISPGCPARASSPSL STSPPEVFSASVTTTHTSSTVTSQTPCAPTAPESPTERESSSDHT PDSHATAEAVPVSKPTTPITVSGXWV/CSELIMETP_APPFFG
6975	2	500	KPRPTWHCKWALKLGETAMETLTLNVEFHSHGSKSDGYKLKKEEL KEILQLTGESLGFDLVKELML*TEALKL1YEEA^KSP1QCSRSSRS SLPPAPQPPPYL*LSAVPFFIHLPLPLPQGKDVDAVDKVMK ELDENGDEGDFCETVILWVLAVALVACNNTFWNS
6976	1216	970	GQJL*VAIGTENSFTVTFAPFEDTVEQKAEVSGRVIMPHTEARI MNMEAGTTLAKANTPGECLCIRGYCVMILGWYNGEPQKTEAVDQDQW XWTGDVATNEQKFCKIVGRSKDMIIRNGDQYRSLAATPSQXMAEASS KEMYQKVLSEHGPGP*ITTDIDREGQTFYIAEDYHQVYLSKNPQNGY IHFHKPKYIIVFVTHYPLTISGKIQKFKLREQMRHHLN1*_IKQQ ACPGRLA
6977	1298	588	SLFINTNLNSQNLRTSPGMCEPISLNTEIDQGKQLKTIDPA* ANKKSKHEVGNKNTTVEPPPECTOMAVFGMSFCVGNAERKFVWLKG VYSTOVCPAGGYTSNPTYKVCSEKTHGEVVRVWVQVQPERHMSFE ELLKVFVNENHDP7QCMRQGNDHGTYQYRSAYPTSAXQNEAALSS KEMYQKVLSEHGPGP*ITTDIDREGQTFYIAEDYHQVYLSKNPQNGY CQLGCTGTGVS_CPVGIIK
6978	3	242	SFPFRDSRRCGCKGSSLNJUTAVAN/VLKGSEAKRLQLQFKGSQ PAIRWQFIPLVLYLGFKRGADPGMPEPTVLSLLMG
6979	3917	1146	DEARVGEHAAJAIISLRCRHWGSGPPPPSGPDKGLRGTPEWE AGPGSGCATPGARANVURLKLVNELKEELQRQRLTRGLKTELAE R1QAALEAEPPDDEERADDEPDEGRPCINVBTECGSSELEGT AQPPGPPQQLQPHAFPGGYSGPDDGHYAMDNFDTQVQKQE NESGYYRRPLMEEMQQAYRPEMKTBMQCAPTSPLPQSASQSLKP DRQFGCSKPKIPLYEERGRGYFEEERDRDRGKRSRQEDDFD DTLVAADTYNDLHVKARDRRESGCYPLTIEOFAYLWSCARASVY VRGRGRVCFEMKINERISVXKHLFSTPDPVIVRIONSLSCSTOL GRRPFSYVGCGTGKCKSTNSRFTENYGDKARANDVIGCFADPECUN DVERLSFTKNGKWWN/A/FRIOKEALGQAOALPHVLUVNCNAVEFNPB GQRAEPYCSVLPQFTFIQHLPLSERIRGTVGPKSKAECILMMV GLPAAGKTTWAIIKHAASNSPKXNLLGTAIMDUMVWVGLRQR NYAGRMWDVLIQQATOCLNRLIQTAAARKKKRNLYLDQTVVQGSAQR RKMGRWDFVLLQIQTACRKKRNLYLDQTVVQGSAQR EMKAMNFTLDPDVQDFLDEBLFTEILOREBEADLKVRYNEERGRKAGP PPSKRKEDWMCQGGFGRGUGGGCQHJYFENKQHPGCGCQFQNGRCG GSGCGOGNYRQGPNRSGGGYISQNWRNGNDRQDNNSNNGSINH PQQQPPQPPQPPQPPQPPQCPQPPPPSYPSPARPNPGASTYNKNSNI PGGSANTSTPTVSYSPQPSGFFGFBSTGQPSYQZPQYQNNQGYSQ GYTAPPPPPBPBPPPAPNNTYNGSGGYNPAPY/TPPPPTAQTIVPUPSY NQVQOYAQCNQNYQYUNQGWPFFYQHNYD3SYGSNTQCGTSTQ GTRGRKTGTRVAASTPRTETGNMQKLQTRSPAMSLSDPGLGYH
6980	1	420	

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			CWTLRWPPLCISLHAAHVPHCLFSRIGTPVSPRLAMDWNCSCEA GGSCACAGSCKKKCKTCKSKKCCSCLPGCAQGCICKGA SEKSCCCA
6981	10	1054	FGRGPRERASLAPAFIAARGVFQGGLGQAKQARTRACAALPTPHPS APRLLSFQGVFSFLPPPPGPNPMILTKAYDYEIAQCLVSVPTP RQSLLRKPKRPSQGATKLISIFSOEYKTRTHAQNHTHTSEAI ESYYQRQYLGVNGAEPFLIDCLIANEVDYAPSLMARLLEFLFQ HEEETPKSISLMLRDPSQIPDGVILANCVVQCIYNDCYGP WDCKTAHHAEHVLLRDLWJENLNLSFIDEEDOLRAKCYDFTKPDF JLQPVAVPHGHHINIEWSKASFGDECSPHAYNLHQFWNSYWRFG PGLVIVXYWQFELDCNBERGLILLYACPFPINVTIICHSIA
6982	153	1285	FFODCSAAPAOFLGAGASPERPLRRAVRRERCRARGLKERVANLAPP PSLDDQLOGWAAQPDGTGLQPEDSRASSPMONSPSPSLQPCDV GDTVETMLMRPVIAKFLQGSISGTGSTLQFLPLLLKTPQLQ PSDHGSRRVRGMJAVLLKVWRTESSLLGLWKGMSPIVRCVGWGI YFGTLVSLQKQYFLRQHGPPTALESVMLVGGSRSVAGVGMSPIVVI KTRVESGKVGEYESIYALRSLYHSEGHRLGLFSGSLTALLRDAFP SGTIVLWPEYNOTKHNIVPHQVDAFLIPITPNCGTCIPLASLVT OPADVVKCHMQLVPLKFQWIGQAVTLLFDYGLRGFFQQGIPRA LRTLTMMANANTYVEEMMAMWGLKS
6983	82	773	EWGFLQDPSFTTNGWISLGAGAALANLANTIDPFLRSPKPK AALEYLEDIDLKTLEKEPTFTKAKELNEKGAVIMMAVRPCPCL CREAAADLSSLKSMLDQLGVFLYVAVKSHIRTEVKDFQFVKG JFLDEKKKFFYGPQRKRMWPMGFIRLGWVWYNFRRAWNGFSGNLE GEGFLGGVVFVGSQKGQIILHEREKFCGDVKNUILSVLAEAKMI KPTLASKEI
6984	1845	1282	GGRSAYSLPAGSLPRLPVPAATTAAMASGQVADEVERCFYIDMKVR KCSTASPEIIRRKKVAKPLSADKKCIIVEEGKELVGVGVITIT DPFKHPVGMPLPEKDCCRVALYDASFETKRSRKEELMFFLWAPZLA PLKSKXMYIASSKDAIKKKPGOKIKEHQANGPEDLNRACIAKLG GSLIVAFEGCPV
6985	1887	1324	RTAGIYCPFKPKGPTBRHALCSVLLLLTQIALEDFPCECSAMN WQFYAGSRSRSMPLGRARLIFMGVFTYAGGSPAIYVYLLIQKFHGRALY YKLAEEVQKQPEAQEALGPPNLYIHLKLIDRENFDVIVDAKLIK IPVSQSK3EGQILYVHMSRGQGPQQRWLHDEFLKDQGQIIPVK LSCENGDEVKK
6986	642	1350	YHLYFKMMDPNSSKHKQALNRLRAQLRKKEKSLADQFDPMYIAF VFEKKKKKDSQNSKQALFVSEVIPMTNNYERNNTVYQWYQSYNRSLESSL ELLQDKDVVVQLHAPRYQSMRDRDVIGCTQEMDFILWLPNDIEKVC LLPSRKXKESDEPFRPQVAKFEPHGGYUEFLVSLRKDFTGIV VNNPNQSVLFIDRQHLOCQPKNKATIFXLCISICLWPOECOLTN AVTITDHLRHPYME
6987	1623	341	LEAAEKASRAPEKSGQOTTSKNEYTENWSPKOSQRRYDMYNTAC PLCEITFVGWTIQTQIQLTPPFHKEENELSKSGNQFLSGKNTIIP DPMENRCYLALESKFTSHLKMLOSDLERCPDFPFLVNVLLMORYTQ KEIABIMLISKVSRCPKRKYTELPCFLDPCCLQSKESQQLQERNC RKKLRLRADRAGLILLYLNLNPWYKDATMNEVNEYAPLQGQNS KXKMMTNEQNSQNLISLCLPKPSKLQIPQTTLKKQQLREVLQF VGLSHQYGPBYFLACFLWPNQELDQDQKQFLQKQFLQF GQYKRMCRSKQASQTLFLKGRKGRHGLVKEAKAKIEQYFDQKQNTN SLWHSQGDWVKRNNEVKDLRNLIGQAEGLKLISLTYEERKIPIV ISVSYGPLRSRGNRIREVSPYLGFSIEGPGPL
6988	3	689	TQLLRRPAVFGVSAQGIRSLNSAAGSGHCAFAPAAGRAPHAVP LVRVCLGLAATSAAPQADQATQPQPMRADCIMHLHLPYCRGQVWRG FGRGSKQLGICPTANFPEQVVDNLPAIISTGIIYGVNAGSVGSQDVH KMWISIGWNPPYKNNTKKSMEITHMHTFKEDFYGKILNVAIVGYL

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			RPRKNFEDSLESLSIAICQDIBERAKKRLELPHLKIKEKDNNFFCWSKSKIMNGI
6989	2	1118	LAWPSDRPLSPSTHIAASAGSHCHAPPTTARAFFPQPSKSENWATLKDQLIYNLLKEBQTOPNTKTVVGVGAVGNCACISILXNDLADELAIIVDVEEDKLKGABMDLHQHSSLFLRTRKIVSGSDVNTVANSKLVIIITAGARQEQESJNLVQRNVNITKPI1INVVXYSFNCMCKLIVSNPVDILTYVAWKIGSFPENRVRIGS9CNLDSSARFRYMLMERIGVHPPLSCHGWVWLQEIGDSSPVPMSSMMVAGSVSLTLPHDPLDTDKDQWQWVHVKVSEESAYEVILKGTWSAIGSVSVALDLSIMKMLRRVHPVSTMKGVLGIDKDVFLSPCILGGNGISBRLVSVVTLTSEEARLKSADTLWQ1QKELQF
6990	719	258	THASQGNASVLAELRTTRTAVTSSLSTTAAFTALAVRYASKSGSSSKNLOGKSSGRGRQOIKMGGHYYHAGNIATQHFRWPKPGAHGVGQKNCYLAYALEBGIYTRKEVYVPHPRNTAEVLDLITLRPLKGAVLYKTIVHVVPVPAKPCETFKLVALM
6991	169	451	RRSSSDFHNPGLERPSLRENTHEQVICSTENKRKRPKXKIALVSSILMTNINPPNESTENOPFDAYWAFTLQDFLTACYEGTGCGLFCGRHVKE
6992	944	510	RQAPGCCSLLALRQVQVCGVWRAFPQVOTRPLSBRFVERRGALYRSPMVENPFPYPCGCPPTAFYPVPPVPPQMPGPMPGMPGPPFQEGYPTVQSYPOVQGMQGQPFQEPPTKTTVIVVVEDQRDRDLGPSTCILCATWTALCCCLCDMLDT
6993	1	374	QWCVTCQPNHARQGPAPVPPGQIAYGAIAFPTEPTEMSKRCGDRVNIKMNWASLCPWKGQPTVLSPTAVKWCIGIPIAVIHHSHVKPAARETWEARSPDPNFRVTLKTTTSPPVTPGCS
6994	346	1100	QWPKECPVMAASSISSPWGGHVEKALIVMIVVAVLLELSEALAQSKRDFAPPPQQKREAPVDPVLTQIGRSVQTLDAWIPSTHMLVSESSSQVVAISASIAISVFAFLGSIACALNLNLGAGDYLACGLKLLSPGCVOTFLWQAGAVALVYVWLLSLLGLVLALLGRLWLGKLFVIFLAGFVALMRSVPDPSTTRALLIALLIYALVALSRITLGSPRASQAQLEAKVRKLRQVLERQVLRPQRPAAKGARSVEE
6995	144	1346	GSAVAGLSGIAUQKEDLDAVIAVIGAGIQCQCFATHLALRKRILLLQFPLPQGNGSISIGOSRIIRKAYLDDFTYTRMWHCEQYQ1WAQLHEAQGTYQLHQQTCLLGMKMEQHLKTIQANLSSQRVHSQCLSSHELKQFPNIRLPRSEVGGLLONSSGGVVIYAHKAALPDAIRQLQGQIVRDQSERVIEINPGLTVKTKTSRSTQASLVIQGQWVNLQZKPLGLIIMPQCLTRKINVCYNNZEMWPGSGVSQAFPCFLMGJLCPHHTVGLPSEYVQGLMKVWSIHIGNHADPEERDCTPARTIDGVDQILSSFVFRDHLPLDKLKEPAVIESCMYTNTPDQEQFLDRHPKVDIVNVIAGPSGHOFKLIAPVGKILYELSMKLTPTSYDLAFLPRISRFPSLGAUH
6996	543	1942	ETANAEAAARKSAMDWKNEVLRRLLATPNTCPNKKXQGPBLKDEEDMDLFCKYSEWKGGRNNTINEFVKTIPPFYTLRPLPARNEVLLQKLRFSRRAVFLQKRSRELLNDNEELQNLWFLLDKQHPPMIGEEAMINYENFLKVGEKAQAKCKPFTAKVFAKLHLHTDSYGRISIMQFPFNYVMWRXVWLMQTRIGLSLVDVAGGGYLYRESIDLNLBILPTLPQLDGLEKSPPSFVYCTAVRKFFFPLDLRTGKIKQODLACSLVLDLLELRDELSLSRSQETNWFSAPSALRVYQGYQLNLDKQHNGMLSKHELSRY3TATMIVLFLDRVFQECILQDGRMYKTYLDFVJLALENPRBBAQYI1FCJLQ1ENKGYLNWPAFNTYFRAJCRMLHGDDPSFQDVADEIEFDMVVKPDRPLKISLQDNLNSNQGDIVTLLIDTNGFWTYENRBLAVNDSENSADLDT
6997	370	1104	AMBLTIPFLRLLTPTVYLLNFLJLNSWICKWWFVFLVRF TVIYNEQMASKRFLFSNLQEFACPSXKSLSLLEVCGCTGANFPF YPPGCRVTCIDPNFNFEKFPLIKSIAENRHQFPERFVWVAGNMH

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			QVADGSVWVWVCTWLICSVKNCERLRLCVRVLPGCAFYPMMEH VAAECSTNNTFVWQQLDPAHHLIFDGNCNLTRESWKALERASFSK LKLQHJQPNSLWNLVRPHIYGVAKW
6998	2	616	FVESSLRVEESRRHAAEERAAAPGRPEADAPGICPAATNCPEPLWC SHLPVPVYAPPTMSEGKSASSPKPDTKIVPVQTTEAKVPPAADCXK APITPKPSKHEAAPAKQCPMPATTAPAKTSAACDPALLNNHNS LKAPTPVSSPDATIEPDKPCGDCGADEEADAAAGSGPGCRGCPWSCE PNFLLVAVQAVAAVATAALILQVAFPLVRRK
6999	14	1591	GRAGACCSRRTDATMATEESSSDVIRLWQYLKENSLHRALATLQE ETTVSINTVDSIISVFDADINSQHNDTVLQSKLSPKLPKLLIDL YEQVWLELIELERLGAARSLLRQTDPMILMKQTOPPERYHLENL LARSYDPREAYADGSEKCKRRAALIAQALAGEVWVPPFSLRMAL LGQALKWQHQGOLLPGMCIDLFRGKAAVKEVBEERFPTFOLSRH IKPGQKSHSHVECARPSPDQGYLVITGSVDGFTPTGKIRKDL KYQAODNMFMMDAVALCMCSRDTEMELAGTAQDGKCKVWKIQSQ CCLRPFRAHSKCVTCLSFKDSQSOILSASPDOTIRGKLSKOK TLEKFRGHSSFFVNRTATPTQDGHYIIASSSDGTVKIANNMXTTCS NTPKLGSTAGTDITVNSVILLPKNPHEPVUNSNHSTVIMNNHQ GQIVRSFSSKGREGGDVFVCCALSFRGWNYLVCVGDFVLYCFSTV TGKLERLTIVHEDVIGLAHHPHGNLIAATYSEDGLLKLWKL
7000	2	827	GQFVVFELLMESBGPFPESERSFSSQRENEEEBAQPESTOP KNFLQPALTIVDGRKLQKIPEDPENPNEPHQAMQJLLEEDIVGRN LLYACACMGQGSDVIRAKLYGVNLNEKTTGTYGLCAAAWGRL ETLKAALVELWDVDEIENLNFREBERARDVAARYSQTSCWVFIWDA RJLTKKYYIAKVSIAVATTEKGGGLKEDKNTLISACRANEHN ETATRASINLFEQRQOLDEDIVTFKTMTPCQVKSAKSUTSH DQKRQSDDTN
7001	2056	844	RCLLMLIAFLKCGFCITIYIFIFIETEFLSCCPGNSAVAQSRLIAN FASQVQAIILPKDQVQGDPVKEEAAKALYESVPGSCEIICOP TSPKRLCIRSPSEPDVAVVVSVYKCHDPPLPLPEANGHTNSPTI VSPAVIPTODGRPMRMRPLTREPASPLNNQGJPTPAQLTKSN APVHIDVQGHMTSSLLATLTKYPPSEJLQLFDTQEDVILDSLXQ HYFIDRDQGMFPRYIIINFLTTSZLLIPDFTKDYLTYEBAKYFQL QPMPLLEMERWKQDRETEGRFSRFPCCLVVRVAPDGLERJLTLGDK SLLIEEVPEIIGDWMCNSVNAGNNHIDSHTHVRFLPNYQCHLNSVQ VLRBLQRQGEIIVGSCCGG3VDDSSGFSETYVLRBLRTPRPVSI RINKQPELD
7002	1043	498	PNFESTRWT*TYIDTISAWACRPTIGCT*TAAPDFTVWRNWPT TPCSKRHQSRRLTLCMCTSPCGR*GGLCVRATPRTTASSS SWTSAQTSWPAAGRGTATSTGTTTWSPOCGCTRNSTQWSV PSSRSRCCSRPATTPPSKPGAPHDACSSKHLGLAPSPSPLPA RGAECV
7003	818	61	QGRFRFACWQDFLQPGMRLSALLALASXKTLIPPHYRYCNSPP GSVADMKRNPWIRRPVVVEPISDEDWYLPCDDTVELEQKDA GKGKGKVQVIRORNWVVVCGLNWTHHYRIKGTMDYRGTMIPSAP LJLHJQVLLDVDPMDRKPTLEIWRPTEAGERVRUSTPSGRJIPKPB FPRADGIVPETWIDCPKDTSTVERDALERTVYVCLKTQBEVMEMAM GKETRJNTTRRSQGPAQBLQDNPFCPELQ
7004	121	2285	FLLPVLTSRSLRQPAVWHARLQGEAFAAKSARAKTPKFTVKK GPKTRLTKTOLG/YCICRVLPLGFPGECCEIEVINITVOLHTEP GYILRNQNGDUTKETYIISPKCUGVGTHTIQKELIUVANPLVNDLH GNGNGLFTYGVTSQSGKTHMTGSPGEGGGLPRCLDMIFNSISGP QAKRYYVFKNSDRNSRMDQCEVCDALLERQKREAPMVGKQHSSKQ VDPFEDADMITYQEFCKAEVDEDSSVGVFVSYIEIYNNYIYDIL EEVFPDPINPMLHHLNHCNEVKIKHNINNYVAGCTEVBVKTIEAEP FWWRQKKRRIANTHLNRSSRSHSVFN1KLVQAPLADGCDNV

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7012	1	2661	REVESLEKNNMALLPPDADHLYSAKVLINAVSNSMEDLYHKSCAL AEDPQSLERDGPHQPAHLVKFLWVOMKGKDEAMAIIGGHWNSPLDP DPEKDPSLLVTKTVAIPCKKALTG
7013	1	2661	REAGSVVKRGEARLFPGTERQSQSERPLRPSAARRPEMLSGKKA AAAAAAATGTCTEAGPGTAGGSENGSEVAQAPAGLGSVGVPFGA VGERTPRKKEPVRPASQPGQAGPAGTVPFGSATPM TQIUSTPRTSRKRAKVKVTRMCMESLANLSEDEYYSEER NAKAEEKKLPPPPAPPEEENESPEEPGEGAFQPSRLSPH DRMTSQAACCPDIISGPQTQKVFLPIENRTLQLWDLNPK1QL TTEATLQIAPYNSDTVLVHRVHSYLEREGIYIKR1KPL PTKTKTIVIISSGSVGLAAAARQLOSGFDGMVTILLEARDEVGRV ATFRKGNTVADLGAHMV73LGGNPMAVSQVNNEELAK1KQCP LYEANQAVPDKEDBVEQZEFNRILLEATSYLSHOLDFTVJLNKP VSLQALEWEVIIQLQEKHVDEQEIHEWKVKTQSEELKELLNKVK NLKEK1KELHQVKAEASVKPRDITAEVPLVKSXHDLTALCKE YDELASTTQGKLEEKQBLEANPPSDVLSRDRQ1LDNWHFANL FANATPLTSLSLKHDDQDFPFTGSHLTV2NGYSCVPVALAEAG LDIKLITATVQRVRYTAASCIEVANTTSQTFYRKDAVLCTL PLGVLSQQPVAQVFPVPLPEKTSVQVPMQPNLNKVKVLCDFRV FWDPSSVNLLEGHVGOSTTASRGEELPWNLYKAPILLLVAGEAAG IMENISDDVIVGRCLAIKG1GPGSSAVPQKETVWSRNRADPWA RGYSYIVAAQGSNDYDMAQPITPGPSIPGAPOPPIPRLFFAGE HTIRNYPATVHGALLSGLRERAGRIADQFLGMYNTLPQRATPGV AQQS PSM
7014	3	3950	DFFEGDKIR1LATELDGWNLLEGSLGKRTG1IFPYRFVFLCPDTEVE ETMALPQEGSLARIPETSLDCLENLTQVGEVQRHETS3DHEABEDP C11SEAPTPSPGLHSEYDIDTBNSYQDDETDGGPMSPGVWEWM VLAATDS2PSDPTEVNNGISSOPQVPHPNLQKQYQYSTVQGSH HSQYQPDLLPLRARTDVAISLPPKRMYSQ1KTLQVLP1YRG SVSASRUVVKPROQSPQJLHNLSAYTKHHTSSVVSISERLEMK PQAGQLVMEATHNSQGDGTIDLDKSLTQQ1LEFEKS1LAGPGETP DK1LRRHFSIMDFNSERDIDVRSKSLITEQELPERKALRPPPR PCTPVSTSPHLLVQDNQNLKAPPPLVWPVPSRPAIPPSAQQRNTNV SKPLLSRHRPTCTELKEEGPQGHMQRSLDGTSPCPLVLR1EEME RDIDJMSYRAQEELNLMLEEKQDESSRAETLBDLKFCESNESLN

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			MELOQIQLREMTILSSGQSSSLVAPSGGSVAEANPQEMLRKLAKVIE ELLQTERDYIRDLEMCIERIMVPMQMQAQVNIDFEGFLGQNQMV IKVSKQKLDYJALKEISDAVGCPVFLGHDRDELSTGYKIVCQHDEIA LLEIYKEDEKIQKQHQLQDSLADLKSLSLYNEWGCCTNYINLGSFLIKP VQRVMRYMPLMELLNSTPESHPDKVPLTNAVLAKVEAVNINNE YKRKDULVLYTRKGEDDSDLMEKISKLNTSISKSKARVSLSHLKH LTGFAPQIKIDEVEETENKPNRQQEERLTKSFIRCLGSLYLHTRES ACVKKVVAAVSMNDVCMERGHDRDLQEPFVERHRYISDQLTFNPKER TERLVIPLSPLQNLSS/TGPPIKLVQKRKGLDQYKNCTERAEALKL DKKTLLEBLQSARNEAELNAQNLIDELKHFQYQAQCPTXCVHGVY REARHDFVHQALESQKLPPLSLLKVAGRGRNNLAIJFHEEHRSVLQ QLOVFTTFFESLIPATKFPFERTKIDRQSPARKPLGLPSYMLQSB ELRASLSLARYLPPEKLPOAERNFNAAQDCLVSLSES3EDLVGVVKKK DPMGSSLNRLNDGVTKGIVYSSFLKPVNRSIIHSIASDVGSHSS TESEHGSSSPFRPRNGSGSTLTFNPNVSWAVASFSGNSCQKQPG DASPPPKENDQGTLSASLNSNSSESSPRCSDDPDTSTQSPGSD SADPARDVWQFQPTATRSYRNFRPEIIVGYSVPGNGNSQDVLKG CARTAQAPEDRSTEPRDSEAGNQYVPAVTFKARPNQNLWSVA NQKLILIEFKDVTGNTMELARVNGKIGVXPNSVNRKYTEV
7015	1842	513	HQAHIEVVAAPSNRGARLQLSVLARVNOVQEPFHANERVIFPFSLL GFRQRCVSCVVAOSASCPPLAGASATRSGQGALDWPFLGFSQPSDS SVPFCVPAVSMMNRDQBDVLLVHNPDMBNSRVLVLLVGLAPNN KSTLSNQLLGRKVVFVSRKVITTRQALGAVVITEKETQVLLDTP GTSISPGKQKRRHHELSIISLEDPNKSMESADLVSVDKWTNS QLSQDILLCLITKYSQIPLSVLUNVKDCLQKSVSLLQKSVSLLQ VVGKLLMMQAFHSIHSFGTCHCPAVKJDPSQVSGNVPCRGWPH FKB1PML-SALSQEDVKTLLQYLLTQAOQPGHWEYSAVLTQSTPF EICANIIREKLLHEPLPQEVYVNVQQTAW/WEEGFELPEVIQKL LVPKESVYKLLIGPKHVVISQTAQEQAGHLDMDTFLCDVDIRLSV KLLK
7016	167	2513	ILNAPKPPPPRSDVAVAAKRDITGGSGWTOGMDSQOETDWRST AFRQLKLVSQTEDAMRKQGVNJSKCKDMSHEVHLSLRTDREYLS LVARLAIIHFRDTHNKQSQASVSDPMNIALSLTGQHAGAAQGIAW PPRGPPQQLGQMGMSLJGMGOPMSLQSGQPPPTGQPSGMASHMNVG TATPQTQLQLQQVAAAALATARSSSSSSSSSSSSSSSSNQK FOAQCSAMQO/QPOA/VV0000001/00000000000000000000 Q100000000LORI010L0Q00000000000000000000000000 PMQGPPPPPSQQLPQQLQQMHHHTQHQQPQPPVQACQPSQSQ LPPQSQTQPLVSSQALPQGMDYTCPPFLKVRAMHVQVPPVQ QVQGQGQATVQTAQAAQWVAPGVQVQSSVQSSVQSSVQSSVQSSV LPPQSQTQPLVSSQALPQGMDYTCPPFLKVRAMHVQVPPVQ QSMPPPPQPSQPLQPSQSCPWSNVSQGPAPSPSSFLPSQSPQF VQSPVTAKTFQNTSVPSGPGLNTVNPSSVMSPGSQQAEQQY LDKLQMSLKYIEPLRMRINKIDKNEDRKEDLSKMSLSDLDITDP SKRCPKLQLQKCEIALEKLKLRMMAVPTPPPPVPPFKQYQLCOP LDAVLANIRSVPFNHSLYRTVPAMTAIHNPFITAPVVCCTRKR RLEDDERQSISSVLPGEVRLDPKFLVNLHDPSHCSNNGTWHLIC KLDKDXDLPSPVPELSPVADYPAQSLMIDRQWQYDAMPFLQSV HCMDSRQLQLEDDHSVSTALLNTWACSYQACQCLSA
7017	1	1785	INIGNTCYMWSV*ALPMATDFPRQRVLSLNLNQNCNSLKKLQH PAFAFLHNTOREAAVAPRIFPFEASRPWPWTP2SQDCQSFYLFLD LIREEKKLKVQASHPKPSBZLICSETSLQWASKAVNLJETPTRS DGKETLIEKMPGQKLARTHICLACRSTSQKAETDLSLAFWPS YSLYEMSCPDQSCQSPSIQDQGLMAGSVEGFSSEPVVYNNPTTAAP ICDSLVNEKTIIGSPNPEFICSENTSPVNPNSKILVNUHDQVQPKG GKTTPSVTDILNLYFLAPEILITGDNQYTCNCASLICNAEKTMCQT EEPEYLITLRLRFSDYDQKYHVRRKILDNVSLSPLVLEPVRITIS

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			FSLSSESWSVJWVDFDILSENLLAKLKFGSGDDEAEACTKLVPVLLS SVVVHSGCISSESHCHYYSVARNITSTDGSYQWVHGSEALALASSQ SHLGRGDSRSEAVPEODLENKEMSKEWFLPNDRSRVTFTSPQSVPQK ITSRFPKDATTAYVLLYKKHQESTNGLSGNPLGKVNNDGPQLKE IMDAITKDNKLWLYQQEELNARALQAAASCSFRPQNGPFLCDNDP PGSCGPYGGSQGCGGGTNTVGRDVF
7018	484	1066	SLVFRNTTSGEGEHCSALENLLAARYHQFLPVGTERIRAPETIIHQ PSLIGEEQAGIAETLQYILLDRYDPKDVQMLVQVNQFLTGQNTMYP GMKARMEKELLEMRPRRSFQVQLASLPNLDWVYARDWALNHL DDNEWMITRKEYEERKGGEYLYKEHCASANIYVPIRLPKQASRSDA QASSKQAAGGCAGCBOA
7019	1048	335	APGFLPLVMTWVPPAPSPVPMGLCCSHEATGAPPTLCKDMSVAVAA RMRHPIPLAGSDWRLDPNIPVRLSDGIMARLKRYYHHDKNGRS SSGALRGVCSCVEAGKAACDEAARQNPNTLIPWLCPHTGTMHNHHWA GLYGRLENDGFPTTNTVTPERPMKGQGVVLIPBQHRVVSVRECAR SQGFPITYLRLGNIIDKHROQVGNAVPPPLAKAIGL8IJKLMLAK ARESAKAKKEERAADK
7020	1	2154	FADSKEKSVLLDKIINLQLVAITSKQQLTEATMSFVARNTFKRVR NGFLMRKVAVFPFSNTTRASPQQLRRAVLKLSDGATCPLPFLTRQE DROLINALQINNTAVGHALVLPAGRDLTDPLRNVLTCHVCLDC HLDPSGFGNSRPSFKDRAGSDVDIAPNLIPWLCPHTGTMHNHHWA NEMKKYIIAYLVRQLMDSPDKAQSQIPARAVVQVCHALSEVNADAS MPPVKVEFSLTDVGSKLVLVDPLSRSQNTLQLQTRLGSLAIETYI ENPVESAPNPRDLKIVLVLMTGEVPEQCLEARQVRLQAKCCKGY FFVVLGIRGVNVNIIKVEYTFASENFNDVFLKFLVDKSTLNESEPLMR FGRLLPSFVSENFTLSPDIPRKQCDWFQGDPTKSLVFKFHGXQ VNVPNNNTSPTSTNPVTTTTPKVTITTKPVTITTKPVTITTKPVTI INQPSVKPAAKAPAKPVAAKPVATKATTAATVPPVVAKPATAAK PVAAKPAVVRPAAAAKPVATKPVPEPVPCAAKPATKPTAKPD NMVIMSRREVQVQEFTTENSAKLHWRPERPPEPQGPFYVLDVTSIAHDCS LVLKQNLTIVDRVIGLGLAQQTTHVAVUQYLCSQVRATHGHSFS TTKSQPPPQPARSASSSTINLMVSTRPLALATETDICKLPKDEG TCRDIFLKNYYDNTKSCARPWYGGCGNENKPKQSCEKVC PVLAKBGV/ISWMO
7021	2	338	VNAVSSFFNHYAFAFGSDDATCRLFDLRADQELLVLYSHDHNIIIC ITSVAPASGRSLRLLAGYDDFNCNCVWDTLKGDRAGVLQHGDHNRS CLGVTTDDGMAVATGSWSDSFRLW
7022	2	856	VYIGTSFVYQAFAGSDDATCRLFDLRADQELLVLYSHDHNIIIC DLIKRSLRALKHAYIISLKKMEMPVPGCKNKKELVNNLAEIY GIERBHQIISPGDFNLLKRMQDQLQAQDPSKPKLPSKSLLEVV DMLAHDAIQMLVLRQEBESRFIQNWKQGEGFTLHGCPFGHGYG EGAGEGIDDAEWVVARQKPMYDEIYITLSPFDGXITGANAKKEM VRSKLPNSVLGK1WKLADIDKGMGLDDDEPFLANLHKLVKLBCH ELPNELPAHILLPPSKRKVAA
7023	2	748	AMVFGGVVPPVPPQYRDTRTQNAJDGFSTYVCLVLLVANLIRLIF WFGCRFESPLLWQSAINTLTMILLMLKLCTEVANELKARRRSF TAADSKDEEVKVPAPRSFILDPPDHFWQMSSPSDYQCVLAPTG VAGYVITLSDIALVFTLGPFLAVLTERAMIVGPQLYRNHRHQST EGMSIKWLMWTSGDAFKTAYFLLGKAP/QPSVCGLLQVVLVDA ILQGQAYAFRQPKPAFPAHVHPVGTQKAL
7024	1207	190	RIGVIGVVAQWVNUFGGGVSSGGCQLMPVKEPFRGFLPGSDWLV SSRSPGTVLGLPFWLTLTVPVLSRSIRSMLL1TRSPTEAHLRLS OLKPPVVLPTLGGQQLHLRSNWLRSQGPATEQGGGQPQGPQLRT RLLITGLFCGGLGNGWALRAEAKERLQLQQKRTTEALRQAAVQGD FHLLDHRGRARCKADPFRGQWVLMYGFTHICPDICPDEEKLVGV VROLEAAPGFLPPVPPVFTVDPERDDVEMARYVODFHPRLLLC

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WO 01/53312

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			LWMPSSCPWTGRLAAGSPMSRALGRCTTSVPGPSRNWLRTYSSP GCATRTWTRMRMMPRPLRSRMGBSAPCIPALPSAAPSAPS AAAPSAAPTAAAGPNTL*SRRTAEWCWPSCSCCGWC/*WSA WDWRURPLOWSPAFPSSCRASCCWCLEST*SSSTARSKAS SSSTCPTSSDSDRAAWT*SPNGAPALPCPSVPLSREBALODPR N*SP*GVCSSGSCHAGLAKCPVKPCVSP
7034	92	1942	EDTSSMPFRLIPLGLLCALLPQHIGAFAPEGLGDSAPDPAHYRERV KAMFYRHDYSLNEAFFPDELRPLTCGDWTGFSPLTLIDALD TL*\LTLYFQDILGNVSEPOQRVVEVLQDNDVDFIDVNAVSFETNI RVVGGLSAHLILSKAGVBEAOFCGSGPLLMAEEAARKLLPA FQPTPTGMFYGVNLHGVNVGETPVTCIAGTCIFIVEPATLSSL TGDPVFEDEVARVAVIAJRLWEERSDIDLVGHNDIDVCKGVKAQDAG IGAGVDSYFLEVKGAIILQDOKLMAMFLEYNKAIRNTYRFDOW YLNWQMYKGTIVSNPVPOLSEAHWPGLOSSIDGNDANMRTFLINYY TVVKQFGGLPEFYNPQGYTVKEREGYPLPPLIESAMYLRYAT GDPITLLEJGRDAVEBZIEKISKVFCGPATIKLDRHKLDRNMRMSP FLAETVKVLYLLPDTDNFHNNNGSTFDATVITYPGECILGAGGYI FNTEAHPIDPAALHCCQLKEEQNEVEDMLRFFYSLKWSRSRKFO KNTVSSGFWEPPARDGTLFSPENIDQAKERKPAQKRPVLLCSPS QPTTISKLALLGQVFLDSS*PLDNFFIPIFLRNNYNNKLLMAIINK K
7035	92	1942	EDTSSMPFRLIPLGLLCALLPQHIGAFAPEGLGDSAPDPAHYRERV KAMFYRHDYSLNEAFFPDELRPLTCGDWTGFSPLTLIDALD TL*\LTLYFQDILGNVSEPOQRVVEVLQDNDVDFIDVNAVSFETNI RVVGGLSAHLILSKAGVBEAOFCGSGPLLMAEEAARKLLPA FQPTPTGMFYGVNLHGVNVGETPVTCIAGTCIFIVEPATLSSL TGDPVFEDEVARVAVIAJRLWEERSDIDLVGHNDIDVCKGVKAQDAG IGAGVDSYFLEVKGAIILQDOKLMAMFLEYNKAIRNTYRFDOW YLNWQMYKGTIVSNPVPOLSEAHWPGLOSSIDGNDANMRTFLINYY TVVKQFGGLPEFYNPQGYTVKEREGYPLPPLIESAMYLRYAT GDPITLLEJGRDAVEBZIEKISKVFCGPATIKLDRHKLDRNMRMSP FLAETVKVLYLLPDTDNFHNNNGSTFDATVITYPGECILGAGGYI FNTEAHPIDPAALHCCQLKEEQNEVEDMLRFFYSLKWSRSRKFO KNTVSSGFWEPPARDGTLFSPENIDQAKERKPAQKRPVLLCSPS QPTTISKLALLGQVFLDSS*PLDNFFIPIFLRNNYNNKLLMAIINK K
7036	442	761	CLAPLFSCFQINLHLAPSGRLRWALRGPGRN*LGEGGSPSIPT RNN*ERKAGCSQC/PACQQHGRPVGVSPLRDPHPPTTLRPLP PPPPPFPFFFFPFPFPFPFP
7037	442	761	CLAPLFSCFQINLHLAPSGRLRWALRGPGRN*LGEGGSPSIPT RNN*ERKAGCSQC/PACQQHGRPVGVSPLRDPHPPTTLRPLP PPPPPFPFFFFPFPFPFP
7038	155	891	GAGAASDONGSGLRAADPFWRKHIS*QOLRRDRDLRORAFETIL QYNNKLLERKSDLJSVIAQKQIAQKHDVVNREHSIPIGHGDTWNHQ LQRMQLRKLKHQEELTLEHKKRGELAQ*RVIDLNNQMRQDREM QMEAKIAECLQTLISDLETECLDLRKTICLCDLERANQTLKDByDA LQITTTALRGKURKTTENQBLVTRNMAEKQAQNRNLRNARE*KR LQRAASPAABRACRSKSGTSTSRTG
7039	155	891	GAGAASDONGSGLRAADPFWRKHIS*QOLRRDRDLRORAFETIL QYNNKLLERKSDLJSVIAQKQIAQKHDVVNREHSIPIGHGDTWNHQ LQRMQLRKLKHQEELTLEHKKRGELAQ*RVIDLNNQMRQDREM QMEAKIAECLQTLISDLETECLDLRKTICLCDLERANQTLKDByDA LQITTTALRGKURKTTENQBLVTRNMAEKQAQNRNLRNARE*KR LQRAASPAABRACRSKSGTSTSRTG
7040	34	789	KITPPRPRPHRCSSGHDNSSVLSGELPAMGKTAFLYHSGGS GYESVMDSEATGSASSAQDSTSKENSSVVGCRSLKTPKRSN

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			PGSQRRELLPAISLDTSFSPVRKPNSTGVRNVDGGFLSSSPRLGS EPFEIKVYILEDWVERLQRRRCGASKEACMNCANAKLKLIEHRRQQRI AEVRAKYEWLMKLUMLSEATKQYLMILDQPKNWKLSEFDLEQVNELESDE YLBALECFVTERLESRVNPCKAHMLMMITCFDIT
7041	1	567	SGRVANGRRRPAAGGSLGRALMRHVJYQRSSSHRETDWSLHTSEL NDGIDWGRNLNLSQSVTETQSSLLDFPLATAEGLTETFVAKLNQIFV PAEARTGLLSSPEESORIQLKHHEENKQFCIPRPNWNQNTPPEE LKQAEKDNTFLERWKRQDQVLPVLEEEBQKLILTFPVERKLDFWRQQLWRV TERSDIVVOIVDA
7042	7	345	PIHMKAALRQADT\1SPSLPFHTQGYLLSSASIG\ATSLTITGAL PLETWTMTVTPIKPSKVVLVKPDQTQVPSYNSDEFKLAENSAS DDLMMAEVAISDYGDKLTLELRKX
7043	2	2170	ARGHAARDSDSEEDLVSYVGTCLLEPLPEECERPKPKPFLPLQDVTVD EKGRYKRPHGAFASQGFSAGYENTVQSKEGH\TPSFTVSPSRNREAD KSVLGDPEDPMWBDLSERGIAPKAVTTDDPASPTKTRDRREKAR QIAAAATPAPGATLTLDDLITPAKLSVGCFLERKNGMEBQGVVGP RVRKBRPRQPKPDGQVVKYVGCALPPGSSBEGSCEHGFNLPSGG SERAGDLGEIGIANKGRKLGSQGAQFGVGALESDDDIYATELTS KVDYFLKQDDEBPGGUYGHTATPRQYKNCSEKDRLYWGRKILDGP SIASKPLSSKIIYVPPVLPDRYRVPHYFRMVAATSENLSHLNQV LSSSACATKATPDKGTHSKHQLNASKRAELGETTICQGSATSVLF LSQRDKERIIEKMKAQDTLKAQALQKARSLSQAJQASSSSAQPSA AGHSCHNNALGGGATLTAKASNFKPFPAKDPPEKDFELVIMHQ QOKDALKERLDPMTTWERGRERDEFARARALLYASSHSLTTSRF THAEEEDDSQDVVEPRDQEENVGDKQSVA\MMGKLTDRDTEFW HPDKLLFO\RLVOLPVRKURQKYSVNFNLTFETASLTTQQA KVSQHGRGPDKSRKPSRMSWTSKEHEKKEDTSSEFLRSLASKAEPK QOSSPLVNKEESEKSEPSLM
7044	276	734	EVYLTDEFAKGKRVADLVEWLQVAGNITIPELYLLTITVGWVYVKS FPQSGRKULIDLVEMCGRVGWHPLRQLFRNRYLQCTRNLPDQEG EPTDDETTGQDISDMDFVLLNFAENNKLVRMNQHGHRSRDRKEK ERERQELRVLGINVLRLRQV
7045	3	513	LGFVMEALSRAQGEMSLSIALKQHDYVITESTADLFGQVALYTFCP KANQWEKTDIEGILFVYRBSASPYHGPTTIVRNLMHNLUVEPVNK DLSFQJLHPPFLITRQASLSIYISWYFDNHRDCHRILAKMDVVE ETTRSSQA\RSQUTSQQPQWMLQRPQJAHNHFGEADESQQG
7046	3	513	LGFVMEALSRAQGEMSLSIALKQHDYVITESTADLFGQVALYTFCP KANQWEKTDIEGILFVYRBSASPYHGPTTIVRNLMHNLUVEPVNK DLSFQJLHPPFLITRQASLSIYISWYFDNHRDCHRILAKMDVVE ETTRSSQA\RSQUTSQQPQWMLQRPQJAHNHFGEADESQQG
7047	103	486	QMKIEKCCWSEGLTSIKGNCHNFYTAISKQTYKSEKLNQNLNSKN IMLIDWRSIWEILYRQKLPKSINVPLDVEVGRLALMNPDRDFKKEY NEVVKPSKSDS\IVPSYLGAVRSKKKALDTAISLGPHSYVER
7048	92	627	FPCLT\LLSSWDYRH4NTRVISSPVFTMDEGKT\TSSEBBEDEAN WKDLAMTYKQRAENTOSELREPOEGSREYSEALETOLQCIKRTN RDLLSENRLRMELSTIKEKFEVQHSEGYRQISALESDDIAQTKA IKDQLQKTYTKELEQNDLDERAKRATDHOLSLKTFE\QRLN\QAI EKKW
7049	393	938	KRTGSASYGQGPGLGGPATTAXASVAGRCSSVGKIPARRCYEDEL VFPVSEAVGRYIIRLIMMDFGQKNGNYGAFVYMCVKHCKRAVREL NNYTRIPGRILVGVCSDVNCRLFIGGIPKMKRKEEILIEIAKVT EGVLVDIVYASAADMKMNQGRLRLLGVRREPPRGCHWLGRKLIAW ASSLWG
7050	393	938	KRTGSASYGQGPGLGGPATTAXASVAGRCSSVGKIPARRCYEDEL

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			VFPPEAVGRIGVYELRLMMDFDGKNGRYAVVNVYCHKUEAKRRAVRL NNYIEIRPLGGLGVCSVINCRFLPIGGIPMKKKREELIESIAKVT EGVLWDIVVYASAAADMKNRGLIRLRCVRPPRCWHQLGRKLIAWK ASSLNG
7051	119	816	KHMWHLABICDNALKKGREVALLGNYDSSMYYQ3QWMMQIQRRHQCQ VRDPAlKGNQVQRQJELLEBYEQVKSIVGTLSEKFDIKPDPFPV SCQDFERDPAVWPVPFPVPAHERAPPQIIR/QRSRSKTSERNRGR SRSFGTCTPST\PISSSKPSTSRRKDQYFARGRGDGDKRKNQDG ASDGENKFDGAGYCDKDLVEALERDIDSVPNSIHND\CALEEA KELLRKEAGVLPMM
7052	467	715	SCPGRGKMSKLNNPEEMTSRDYFDSYAHFGIHRMLKDEVRTRL TYRNMSMHNKHVKDVKVLLDVGSSTGTGILSMFAARQGPGR
7053	467	715	SCPGRGKMSKLNNPEEMTSRDYFDSYAHFGIHRMLKDEVRTRL TYRNMSMHNKHVKDVKVLLDVGSSTGTGILSMFAARQGPGR
7054	1	1036	OTSRQSRRETDRARESGNEBPTAERLDPNPALEBNPNPCPCEPLPGP RRCRNDAMYEDEKDLRFQRAHLNPENQSGPQRHQEQQGEZVF VTPPEALPDPGPBPBEPFRCPERVMDDLGSEEDHPSRPFLQASD VQQLRQAIEBZCKQVILPQSEKQDAVVRILHLRKLQLRKLKD PNEDEPFRVLLERLHFTRKEKSKSVRQTCGKNTIINGLIQWTY CTCCTYRCHESKMANLISKPCVSXSVSHQAEYEWLICPQTGLDSQ DIRCAECAPI/CS/DGVVPSSEARQCDYTGQYQYCSICHWNDAFLAV IPARVHHNNDFEPFRVSRCSMRYLALIMVSRSPVLRLEIN
7055	2	527	DSRRVSWRSNLANE/WGKHLCIFPINLMSMNUULLFAKTFILLYNQGP EYIYLUQMLG/ALCLSRASASAVLNINCSLILLPMPCRTLLAYLRG SQKVPSPRTERLILDSRTHITCGATICIFSGVHVAHLVNALN FSVNYSEDVFELNAAARYRDEDPRKLLPTVPGTGVCMEVVLF M
7056	2	527	DSRRVSWRSNLANE/WGKHLCIFPINLMSMNUULLFAKTFILLYNQGP EYIYLUQMLG/ALCLSRASASAVLNINCSLILLPMPCRTLLAYLRG SQKVPSPRTERLILDSRTHITCGATICIFSGVHVAHLVNALN FSVNYSEDVFELNAAARYRDEDPRKLLPTVPGTGVCMEVVLF M
7057	1368	431	GIVLIIWNEKIPRPTC1GDRQENDKENLNLENHRHDQELLHASCQA SGEVPSQASL1RGFFTEDEPGCPGEGENLQDQEGTQEC SGPQERLSQKQLOQHLPNPHSGEMSTMWLEKRETSQKQGPRAPI AQALPITCREGKTFYRNSQLIPIHRTHTGQFCCTKAFR SSDPMVHQRIHTGEKPCDKCYDGKGSFDSQSLRRKHKHITNGEKP YKCPICKEPSIQRGSNFRQRVHHTGKPYKCSHQRKNSSSL DKRKRSHLGGKFQ+PVTKLGFPIISIQSHSIKNTQHJHEELCLR GYPC
7058	1	469	FSGFEGAVPFDALJCRMSDLRLITEAFLYMDYLICFRAJCCKGPPPAR PEYDPEPQVWVQKQKTSILSLKLCSESFDVNVVSTTGSIKAVPQ NAILNWKELGGADWIREKYSRYYGSGQGVFLVLDASSEDDEA ARN+SCTQLLQHPOLCTLFLLA
7059	1	1178	WPAFPWREDAAMADALGIGPERRAR0CGLAAGPTSGRGAAPTA APWAPRSPAWLECVCVVTFDLZLQGAELEVYVNFDRFLTDKEKSSC CYLSPPDSHSGCLLGDTQFSFRMRQCGQGRSPWHAUDRHYNSSRAP VALQREPAMYHGYYVYFQKVQWDSSVSKRGYVSSQSLVLSRFLFVRL FQALSLIAPYFDRKAPLCEAVCSIEIDQWPAPAFQQTLMFLVNM GVVVQVIRPSRVKRSSESPPKQDFQNRLLPAPVLAGHLLFL RCFPRPVLTMHQTLNEMLIGEPLVILAPSDPVSSMVLALTSL QPLRCCFDPFRPYFTIHDSEFKEFTTRICAPPNVVLGVTNFFIK TQJHWPHLRLVGEKMDGSLPQKVLKKLPPFKV"RWTDPK TQJHWPHLRLVGEKMDGSLPQKVLKKLPPFKV"RWTDPK
7060	90	1670	SVNLPDPLWNEEAMODSTKSEPLKGSPEADEGNIYRKEKLYNPSQ YRFEHLLTOMWKWRJQBGGRGEAVYQIGVEVDENGLLVGLAEBEMRAS

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			EKTKKGRRDKAKKSKTKEPSLVKWQSICRELDDECNSSSSESDFRVTAAKRIEENQQQLVSGMARNJNFE
7070	1	547	DGTMEDHEAVGRATALLIEQPLQGSBENELIGRDQRQLPMLDVLEDEKHNGAOSAALCQVKGEWRVKTSLCLARREIIIVGGIQNLIDLRKKRKQKCRDRDAAASHRPFPPEBEITGVFDRRTFLKAAGVEGKMKVIEKFLADCGGACTCDQFRRTALHRSASLGHHNEILEKLNDGATVDFO
7071	2	921	ARGTLRALEATAKKVGKVGVANGQKAAGPSADSVTENKIGSPKPTPVSNVANTSAGPSNVGTTELNSVPCKSSPFITRVPAYPHSSENIQYFODPRTQIPFEPVCPQTGYDPPPTVBAQVCPVRFSNNVPESSLPPASPMYADHYSFTSPDRRMNSSPYQPQPPPQYGPVPPVPSGMYAPVYDSRRIWRPMYQRRDIIRSMNLPMDMHSVSYQTSLERYNSLSDGYYSSVACQPPSPRTTVPLPREPGCHLTSCEBQIRRKPDPQWAOYHTQPLVSTLPLVPAVQSPPTPLNRGEQD
7072	2	921	ARGTLRALEATAKKVGKVGVANGQKAAGPSADSVTENKIGSPKPTPVSNVANTSAGPSNVGTTELNSVPCKSSPFITRVPAYPHSSENIQYFODPRTQIPFEPVCPQTGYDPPPTVBAQVCPVRFSNNVPESSLPPASPMYADHYSFTSPDRRMNSSPYQPQPPPQYGPVPPVPSGMYAPVYDSRRIWRPMYQRRDIIRSMNLPMDMHSVSYQTSLERYNSLSDGYYSSVACQPPSPRTTVPLPREPGCHLTSCEBQIRRKPDPQWAOYHTQPLVSTLPLVPAVQSPPTPLNRGEQD
7073	50	504	LAHGSGFGVSDPAPAAAFAHTLTSFGSGSLSQFCRKFPLGRAPAMPDVRYRKVVILGRCVCGTSLSLAHQFVEGETSSEGDPTVENTYISKIVTLGKDEFHLHLVDTAQODESILFYSFIGVHGYVQVLYSVTSLHSQVIESLTYQKLHGGH
7074	263	1003	WCPCVLCLSTREFGHNSLVTYPIGKTRRKETFLHGCHIAAGKHNISVDLETNYAELVLDVGRVTRLGNSRKKMCKCLRKQKNERVSRAACALLNSGGGVKIAEINEDYSTMDGIGLGLDENSFSNLVLFVPEYLDNFQONNYFELIFVFKWSNLNTSGLRITLTLSNLNKRDTISAKVMNATALEFLKUMKKTRGRYLRLPELAKRPRVDIQEENNMMKALAGVFFDRTEDLRKEKTFITFESTHWEI
7075	598	1005	NYINFFFKEYPHPHVXVIEPDVPLSLQGVERIMKTEESSESQVEPERIKVQKCRHCTYQPTPLSPASKCLLTHLDEIQRNCRQAITLNESTGPLLRTSIHQNSGQQNQNTLTDKQYGNVKEVVPIDI
7076	279	1049	IQQESSNIAQGNDQHEHDQRSKRGGSWSKGKRRKFLERDSNAKSPLTGTYVRFMNRRERQQLRARKRPEVPPFETITMLGNENWSKLPPERSKRYLDRAUDRDKMYKELEGQKTSAYKDRQDRQKGKSHRQDAARQATHDEIETEVKERSVPDIPITFTEFINHNSKAREALRQLRKSMTETEEALQKHVESMRATAKEVLDVQIERSRNTVLQHHLTLLRQLTSSFASMPLFEXGETPTVDTIDSYM
7077	3	1119	SMSGNSNEEINGLAIKTDKYGFLGQ50YSGSLKSEIPVDFVARQRELKWLDMFNSWDKWLSSLRPKVKLRCRKGIPSSLRAKANQYLNSNSKELLEONPRKFEERAPGDPKWLIJTRKDILHPCPFPHEMFJAHRGGHQQDQLYRLKAYTIYRPDDEGYCQQAAPVAAVLJNHMHPA8QAFWCLVQICDKYLGYYSGALEAIQLDCEIIFALLRASPLAHLRHLRQRIDPVLYMTEWWMCIIPARTLPMASVLRVWDMFCECIVKIIIFVRLVRLHHTLGSVBLKLRSCQGMVETMDQLRNUDQQCMQZDFLVHBTNTLPVTRAIERENAAQQLKWNRTTRGELQYRPSRRLNGSRAIHEERRQOPPLGQSS
7078	483	767	FQGQIMAGEQKPSNLIEQFILLARGTSGSAALT1SQVLEAPGVVTFGKELIANVNQELAEQGANAAAYIQLNLNPAYGTYDYEIANKESLPEY
7079	2	376	SVVEPKRKPKEPSGDSGEJDGIDVGQECQLSQNARPLSPBSSSMQARKKRRCII12KRRDRDRINSSLSLRLVPTAFLQKGSQKLEK

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7080	200	595	AVILQMTVDHLKEMIATHGIGTGTHALLFQASFIQGIF VQLPLRACPCLSLISCRDHSGGGRHDLSERRHHDRCRUVVGSQPQDGIPY LTHPLCHQDVVSQRLGIRALATPGHTQGHVLVYLLDGEPYKGPS CLPSGCDLILQSGCGEFPPRKNEELGEGCTEVRAATVWNLAKP
7081	213	506	AVTEEMILNLSLCLYHNKLILAPLPHVKGVLVQMLLADYGA VTCCEILDLKMKIQCRRVVNSVLSLTVDFVAFDRVVTCTCEREGN RVFVQMGTS
7082	3	1137	APSRTNTMILAWCRPGVLLICRQGLGTNSFLHQLS CCRSFRDRLPTLGEREEHEAQRKAPAGESCPSPPLSISIDTGTGCL SSLENLRLPLTREESSEPRELEDDSSDQGRCGPTHQGSEDPMPLS QAGSATEVEERHVSPCSTSRERPPFQAGELLATETGEETFKKK LFRINNPFOLIANSWGAVPFGKIVGPGQILRS5FQKVMLLRP ALEDYVVLMLKRGTATTPFDINNLLSMDINDGPTVLEAGGSSG GMSFLFLSKAVGSGRVISWFGVTRKRDHDHLAKKNYKHMRD5WKLSH VEEWPDNVDPIHKD5ISGATEDIKSLTFDADVLNPLHVTLPV YPLHUKHGGCPVCPVVNNITQVIBLLD
7083	115	541	RSAVOLTRMEYAMKLSLLYPKSLSRHWSVTSVTTQQLSP SPKAPPARPCRVSTADRSVRKCIIMAYSLDDELLLKVRDTLMACK PFFLVLEEDGTTVETEYFQALGDTVFMVLQKGQKWWQPSBQQ TRPLSLSH
7084	3	522	NSVSVS8Q8RFIA8PVS9GVQVRSAAADMRASTAAGKQRIPKVK VKRNKAPEAVQ1TAEQQLREAKERELIELLPPPQKQITDEEELND YKLRRKKTFTEDNRNTRNTV1SNW1KYAQNEESLKEPQRTSYE BALDDVYRNT1TLWKAEMMNKRQVNHRNNDRAITL
7085	243	1499	PGALARTRRGWR2PFGGA7MAHITINGLYQCVBASIDSRAECS AEILVSFC1PHVAMPRLQMASPEEKQCVLPEPYDENFAHRLRCT YAVGNHDTIAYKQCVTIVVOSFLRAFQAKHEENWALPVYVAL DLRVAFFANNAQDQLVKKQKSVQDMLEGAELLMSCFRVCASTRD AGCTSDKKWGMFLPVLNQLKIFYKVKINKLHCKPLRAIDSNSNLK DDYSTAQRTVYKYYGKRAMFDSDFQKAEEYLSPAFEHCHRSQS WNKRMILTYLLPVPKMLGHMPVTELKLXKWHLMQF2EVTRAVS3 NLLLHLAELHEAFAPIRCGIPFLILEKLKIITYRNLFKKVYLL KTHQLSLDAFLVALGMQVEDDVIDE7QCILANIUTMHGVGYI SHQHQLVVKSKQNPVPPPLST9C
7086	256	525	ILAAARGKQNSKLRLPEVH9QDLE8STDPETHEI9QEWYKGFLRDCP SGHLSMEEPKKTY19QVYQGDASKFAE9VFRTFANGUJTDIFR EF
7087	166	723	LGESSAGKVAAPCFVPPSNHHELVPIT7ENPAK9VWVQDKRGASRG NTRKSLIEDNGSTRTVTPSVQPHQFIRNMWSVRTMEDI3C6LVY VTERIIAVSFPS7ANTEENFRSNSLREVAQNLMSKQGNYL1NPLNS ERRPDITKLEAKVLFEPGWPDLH7PALEKIC1CKAMDI7LWNLAIP HRCRDVHNKQ
7088	104	759	GTAASAPSILLEMAGEITE7GELVSSYVGLVYNPNLJUGTGALT MPKAFA7AGWILWS1VLLVFLGPM5FWTTT7FVIEAMAAAQALHN KRMEHLKEERDDDSSTASDSDVLL1RDNYERAEKP1PLSVQRORG PNPPEITDRV8EMGQMAMFPNMXVGVNLPWFYCI1V1YGDJAIXA AUPVFS1MQUTVCSATGNDCAUCEDATKYNDDIDRCWGP1RRVD
7089	33	1775	SVCWEDRYLGLARNKESPLSKRAPSRCQGVNFNTN9VARTY1PNTKVEC HYL1PPGTGPMPSAD51G1F1KPFVDAACVRD1HTYVSSVPESTTDG SPHRTS7VQGQASLY1KPGQALYQFRYVNNQ3Q9VQCGGSPPQFQRE PRMDELVTLTEADGGS2HLLVVFKA7VNLQNLDEQGRNDRDLM QLKLQLEQCVTBLRSRVRQELERALATA1ARQEHTBLMEQYKQ1RSR HGE1TEERDILSRQOGDHWARI1LLEBD1Q715KVLTKVEVELD RLRDTV7KAL7TREBQUEKLL1GOLKEVVADEKESRAELQVAQQENHIL NLLDLKEAKSWCQEBSAQAOQLKDKVQCMKD7LGQQAQORVAEPL

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			LKEQLELGAQELLAASSQOKATLLGEELASAAAARDRTIAELHRSR LEVAEVNGKLAEGLGHLLKEEKCQWSKERAGLLCSV8EAKDKILK LSAAEILRLERAKAVOEERTONQVFPTKTELAREKDSDLSLVQLSESSKRE9 TEIRSALRVLQKEKEQKLZEEQKQSLLESTMKLEARLKVADAEKNN EDATTEDEEAAVGSCPVALTDSESPEDMRLHPWAFVSVETQ ASILLGLE
7090	33	1775	SVGCHEDRYLKARNEESPLSRAFSRGGVNFNLNVARTYIPNTKVEC HITYLPFGTMPSASDINGIFKVRACRVDYHTFVNSVPSPSTID SPIHTSVOQFASYLKFPGAAOLQYFRYVNRCGVCQGSPQFQFRB FPFMDELVILEEADGGSDILLVVPPKAIVLQLQEDSQERNDLM QLKQLEQGVTELRSRVQEELERALATARCETHELMEQYKCG1RS HGEITERDILSQQDQHINVARILEEDEDITQITSEKVLTKVEELD RLRLDTVKALTREQEKLLGQKVEQADKQSSEALJQVQONENHHL NLDLKPAKSQWEQSAQOQLRKDVKAQMDTLLGQAOQRVAEELEP LKEQLELGAQELLAASSQOKATLLGEELASAAAARDRTIAELHRSR LEVAEVNGKLAEGLGHLLKEEKCQWSKERAGLLCSV8EAKDKILK LSAAEILRLERAKAVOEERTONQVFPTKTELAREKDSDLSLVQLSESSKRE9 TEIRSALRVLQKEKEQKLZEEQKQSLLESTMKLEARLKVADAEKNN EDATTEDEEAAVGSCPVALTDSESPEDMRLHPWAFVSVETQ ASILLGLE
7091	186	1076	IGQHTRERCRSEIQBLEPWTFPKKARSGWRLNRGFIKRMESPF SEPADSQQSLVPPVYISPEVTSMCDSLAKIPIKRASMSHLSIAY ALHKQMRLVVKPKVA9MEEMMAVHTDAYLCHLQKCGC8EGDDHD PSEEYGLGYDCPATEIDFYAAIIGGAITTAACIICDQNCNKVAIN KSGGWHRAKKDEASOFCLYLDNAVLGLLRLRKPERFLYVVDLILH HDGDNDPAPSFSTKVMVTSLHFKPSGPGFTGTDVSQVGLKGKRY YSVNVPIDQ1DQEYKQYICERYEPFPAPNFGI
7092	522	809	KQCIINEDDEESQPPLGECCFESIKRMKMKL1KQKWEZQELR KQKREKKRKKRKKLERQRCMPEPNSDGHDRKVRVRDVV/HSTLLII DC5FDXLM
7093	454	655	NEGSVGSVELAQQASVVRMSFVIAACQVLTGLIMTSLESSIQNS ECPOLCLVCCEIRPWFPTPQSTYREA
7094	2	508	FVSESMHNGVGQASSP1RCVUDLSWQQSISFFGHWAGEEBPFWG DIA1APFLDQYGMIGLSDPWWKLTATL7GALLAAYAYLHE LLVIRKQOEISDSKDI1LHQFAPRNNGVPSLSFPCLEMTYLEM ADLTYQNTFGGXLQSLAQGKMFW1BYTNEKWSGTEP1
7095	1	411	IASSLPKWASLQJSORV1YI1VQGKKEVKRPLQLYFCRYCSELRS SAMSAPDAAPAPASISLFDLSADAPVFOGLSLVSHAFGRALAR APRTCSGSGRRERSPERKLNDLQGPMD1S3KLFCSTCDTQFQNHOR QRHRYK1LWHRFN1LQRLKDKPFLSLADPEKQSSGTGDLSS1SGS EDSDSASEEDELTLDRRATAFEKLSPRFPOFVYHVEVLFQNAQGQF LYAYRCVLCGPQDPEPEAELL1QNLQNSKQPRDCV1LMAAHC1PA GA1PGREVEVTHKTHPRYTVRAKGTAQCLRDARGGPSHSAGAN LRAYRKATLYKDVDRLLAGPSWAKALEASAT1LRLRAPSRSQSLF FGKGKAPLQRQGDPLW1D1PLATRAPTQCELRQVLUKL1LTHVIE EDE1EAVRLL1S1PQTH1VWEESSAKP1T1E1K1CHUKEBA1Q2 NESSP1KQGSSEGEQDGPQVELLSLVE1WTVG1TLDLCSBV1PKRKR RKNKRNKEKSRSRQDAGA1R1TLQ1Q1QEEB3P7QSQQAVAPLGPL LDEFAKAPQGP1ELWANALLAACRAJG5GVGLQSPADPVRVSL LSAPLGSGGFT1LHAAAAGRGSVVR1LLEAGADPTVQCQDH1
7096	224	2067	ET1SLAVQEKPSQACRRRRSSRISFAGALFLTRFLQJQELLLNNFCSAMSPADPAAPASISLFDLSADAPVFOGLSLVSHAFGRALAR APRTCSGSGRRERSPERKLNDLQGPMD1S3KLFCSTCDTQFQNHOR QRHRYK1LWHRFN1LQRLKDKPFLSLADPEKQSSGTGDLSS1SGS EDSDSASEEDELTLDRRATAFEKLSPRFPOFVYHVEVLFQNAQGQF LYAYRCVLCGPQDPEPEAELL1QNLQNSKQPRDCV1LMAAHC1PA GA1PGREVEVTHKTHPRYTVRAKGTAQCLRDARGGPSHSAGAN LRAYRKATLYKDVDRLLAGPSWAKALEASAT1LRLRAPSRSQSLF FGKGKAPLQRQGDPLW1D1PLATRAPTQCELRQVLUKL1LTHVIE EDE1EAVRLL1S1PQTH1VWEESSAKP1T1E1K1CHUKEBA1Q2 NESSP1KQGSSEGEQDGPQVELLSLVE1WTVG1TLDLCSBV1PKRKR RKNKRNKEKSRSRQDAGA1R1TLQ1Q1QEEB3P7QSQQAVAPLGPL LDEFAKAPQGP1ELWANALLAACRAJG5GVGLQSPADPVRVSL LSAPLGSGGFT1LHAAAAGRGSVVR1LLEAGADPTVQCQDH1
7097	256	1228	IRTKSAATW1AWPQCGREGSR1ITEPCRANAGS9QBLCTERISS F1AAGQDQAPHSGLETNNNSNSELPLRVGLKVAQGSPLMGQCVQH1

SEQ ID NO:	Predicted beginning nucleotide location corresponding to first amino acid residue of amino acid sequence	Predicted end nucleotide location corresponding to first amino acid residue of amino acid sequence	Amino acid segment containing signal peptide (A=Alanine, C=Cysteine, D=Aspartic Acid, E=Glutamic Acid, F=Phenylalanine, G=Glycine, H=Histidine, I=Isoleucine, K=Lysine, L=Leucine, M=Methionine, N=Asparagine, P=Proline, Q=Glutamine, R=Arginine, S=Serine, T=Threonine, V=Valine, W=Tryptophan, Y=Tyrosine, X=Unknown, *=Stop Codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
			SNSFSPLSLCRRNANEDWMSALCPRLWDVPLHLHSIPGSHDHTMTYCLNKKSPISHEESRLLQLLNNKALPCITCRPKVVLNSVTPQALDVTEQLDAGVRYLDLRIYAHMLESSEKNLHIVJMVYVTALVEDTILTEISEWLHRPHEWVLACRNPEGLSEDHLHEYINACINVFLGMLCPRGEVPTLRLQMLWSRGQQYIVSYEDSSSLRKHHELPQPVYWWGNRWTTEALIRYIETMKSCOR
7098	62	956	SSFLRKRCRNLVIGCMGCTPSQSLFSTLEERFDKEIDNYCVMRQLTBEARSGPWAPNRPFVNICRMTAVDGDRO33SRETCRCHFPSPLEAIVLVLQDMDPQPGVGICTSFLGIGSVALWDYXHRAILRTCLPSKPLLGIGSNSVLYIWNJLILWNPFLVLAVALPSALFPSVSYHFLGLWLVLLMWNLQCTPMDPDSSEWLWYRVTATIYLPSWPNVAEGRTRGRATHIFAPLSSDTSLVATWTHISSLPSQGIPLOLNLWLPVGOCPPFLGLALRLVYVYHMLDSSCCWKPD PQDV
7099	992	210	LFLRFLAPGFLSLRAGQYHQWAFPFPSGATATTPAASSRSLAARSLPRSPPARPGNDALLGEHDPRGGQVRAQRPRFSEPPGPGADGAVLEVWVPOIAGAGVSLGIGLAACKGAAVYLSDLSLPHCLBCVRGSCQMLNPLHQLQVGLTWHGHSIDDLALPQCDTIIASDVPPEPBDPEDLATIYLFLMIKPNPKVQLMSTYVRSADSMLSEALLYKNDMKVWHIPLESFDADKEDIAESTLDPORHTVEMLVYISPAKDSL
7100	205	671	ANGGGWPAAGPSLFLPILWVPTASHSKTATLIGJSGAPPPLHLSVLPFLSPPOIQLDPBAAFPVFKYKDNGNLNSIBCKRVSFLPEPATVIMAFDLTKTNMQLQIMEYQSEWGNHDKREKKEEMTDDRAWLYIAWENSSVVPFVPSHFRPDRGDEDEVLYW
7101	2	503	WRGGPRAKRRLLAGNGWGVLLVLRGVHSVERAGGGEPRAADWKKDVRILLVGPFRVQKTSILMSLWSSEEPPEVPPRAEETITPAPVTPERVPTVHDYSEABOSDQEQLHQEIQSQANVCIIVYAVVANNNHSIDKVISRWIPLINERTDDKSRP,LILQGNNKSDLVEYSR
7102	2	503	WRGGPRAKRRLLAGNGWGVLLVLRGVHSVERAGGGEPRAADWKKDVRILLVGPFRVQKTSILMSLWSSEEPPEVPPRAEETITPAPVTPERVPTVHDYSEABOSDQEQLHQEIQSQANVCIIVYAVVANNNHSIDKVISRWIPLINERTDDKSRP,LILQGNNKSDLVEYSR
7103	119	438	GSQSSVAVNIRSTIDEESIDLNGQASNSUNIATAEKSSSSESLSDGKSELKKSFDAAVFDVLKVTPPEYQAOQTITMDVPFKIAQDDELSSCGWNNKKKKYSSAP
7104	1670	795	ELWEHHSVSAAGSGWGLSSPGCLLHLPSLPSERVDILINNAGVMRCPWPWTTEDGFEMFGVNHGEAWAGAPWQVQAIPLPRRPPKVLGP*/*+VKSDFIILNPGHFLINLILDKLKAQASAPSIINLSSLASHVAGHIDPDLNWQNTKRNKAYACOSKLAVLQKPLKELSRRQGSGQVTNALIPIQVARTELGRHHTIHGSFTPLQHENWAIIAAMSKRPSWPAQHNTLAVABEELA\VISGKXFTGKLQKAPAPEAEDEVARLWABASARLWGLEAPSVPQRPLP
7105	765	143	GOMCRRPSPKSTSCLSMNTCDLF/RGLCDQCLALFRVAECKHOAIIKAAAMSGQMLFDVHNYPDVYSSGGGGFPADHGOGVSYIIFMGDGMITFHIISSKKSTTKDSHRLQGHIEDALLJWASLFPQAGQHPKFRPRSGCKENSHIRCGLSRLQTGASKASWGSTDFP
7106	14	1064	GLQAGHPHPSASRIPEADTHYSKLQFAEDPSIVNDHDKRNPCTYFRVGGFFSGKFGDLDGSEYVKEPAITKLPEISHLREFYQGCQCPGAEPFVEVIKUSTPVIDKKTLDPKRAYIQTPTVWYDPEYEMKDRVTYPEKNFLNRPMFTTFTLEORPRGELEHGYRNTVLTTHMPAPYIYTRISVIQKEEFVLTPEVAEIDMKKCTTQLAVAINQEPDAMKLMQMLVQGSVGATVNCQGPLVEAQVFLAEIAPDPLKYLHINILRLCFKEFIMKGCEAVENTKRLIATADQREYQELKKNYHNLKENLRPMIERKIPELYKPIFVRESQKRDSPHRSSPRKCETOLSQS
7107	1145	591	*I*WLTGKKK

SEQ ID NO:	Predicted beginning nucleotide location corresponding to first amino acid residue of amino acid sequence	Predicted end nucleotide location corresponding to first amino acid residue of amino acid sequence	Amino acid segment containing signal peptide (A=Alanine, C=Cysteine, D=Aspartic Acid, E=Glutamic Acid, F=Phenylalanine, G=Glycine, H=Histidine, I=Isoleucine, K=Lysine, L=Leucine, M=Methionine, N=Asparagine, P=Proline, Q=Glutamine, R=Arginine, S=Serine, T=Threonine, V=Valine, W=Tryptophan, Y=Tyrosine, X=Unknown, *=Stop Codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
7108	1	942	VKVALLLTNLNEOPRTESSEWNSNFTLXKHFVQFQVNVLNNSSTFYIAFPFLGEFTGHPGAYLRLINRMLRLEBCHPGCLGLIDLCMQLWIKIVLKQTWNMPMLGYPYQHWWNTTRKVRKREIGPERKXPSQFWQDCKYLQPNNAVGLFDEYLEMVILQFOGTTTIVFAAPLPLAIIANNNIEIIFLDAYKFPTQHRPRPLASRAKDIGINCYCILESIGIHLGVITVHAFVATISDFITPRLVAYKTYOPCAGQGSAUGKCNVGVNNSLSPVFRISDFENRSEPESDGSEFSGTPLKLYCERYRDYDPHSLVFPYGYTLQFWHLWAN
7109	964	102	WDQKRKNESLVFGPAHGPAAQEPEWEKKESELGLAQALASLQLOPKEHQFPFPKSSQVYLVHFLSVTTRDGPFPKDXGKSLPQFPTTSEVQFVSBKLADTDTSEFEATSBTGLLSLQRNPKARRLRWLSPQAESFRPMVVIKEIPTQGKDHCECSBCKTFYIYNSHLUVHQRVHORIHTGKPKYCSDCGKTFKQSNSLGHQHORIHTGKPKFCNCBKAFCRNGAHJLWVQHORITHSGEKPYTCNCGGKAFSQSSYLSQHRRIHSSQKPFICKECGKAYGHCSELLIRHHRVHARKEPSH
7110	96	697	ELDNNSFGFLVEVKERSHHVPLVDRYALVQKMLTRASITVFLVGSPTSKRKRCQMLQPLIIGETAHFPEEIKSEEDGVNLSESSLGMDMLKTAQVOQSSLHNSEDWEMRQSKALDLRLLSSKAAASMPELLEQLNKARAEKKXLRTLRBFEEAFYQONGRMAQKEDPQVFLLEYYREYKKIKAKKLLRLLEKQDSSKSI
7111	2	414	GSQLIRGFTTPGQCLWPKPSMPYDPEHENYFPTQFALELNLTASLKKSLPSTDTLRLPQDQRYLEEGONIQAAEAKRRIEQLDPRDRKVMEENIIVHQARFFRRQDTSQSKERWVWVNTNTWVRLRAREPGYNNMDGAVAL
7112	103	495	PRFCFVADGRRLYQGLPDPVUTIMEGKTLNLTCTVGNPPDDEVWTFKNDIQOLSHSFVSBQAKVSMVMTIKGVTSEDSQGHSINSINKYKGGRKIDIVTVSYKHGEIPDNAPPQPKQPLKLIQASASA
7113	1	824	KCLQRQAHHEASLASFATRWCSEERERAEGGGSHLHSITTRDPKPKPLRPSQRPMDDDKKKSSKPKLQAOAQPQPTLRRVPVFTSHGSSLALQDPHLPSDPKQRPKQPKVGKEKCRPVLAQAGGGSQAGTPLQHSPLTEVTDVTFWMBGGTLNLNDFHSGRQLQPKGEKCSFQELQHVRZEMQKLARLHIFPSLVDVGCREEDDREEDGVTEGSLPBEQQKXIMADRNLDQLLSNLGSLCIALVPGGNRGGEGTYSQSWSHSLGEKVGVHGSKSSG2NLMPRE
7114	3	1492	WVEVDQDIDYKESQDQFLWQOAPTIGKEIATKEDSCEGCKIKRKL1YNTDFVSVKQRLPNTYSWEPCKSMHNLFLQGQYVYRKEHDQGCKAYWVCLHYLNHKQAPABRFPDPNQRQKALRQKQALRSKQSRSGTQEKLKYCTECGKPTQKANLNUVHQRHTGEKPYCBECCCAKAFSQKSTLIAHORTHTRGKPCVECSCEGKTFIQKSTLIAHORTHTRGKPFVCDKCPAFKSSYHLLRHEKTHIRQKICGKTCIYLQIYTSEKPCSEHGAASDRKPSPTKHWIRHTKENYCECSCKGKSFRQGSHLSVHQLRINTGKPKYECSTICGKTFPSKESHLISVHHTHTGKPKYECRRCGAKPGKSTLIVHREMTGKPKYCKNCZGCKAPSEKSPLIKQRIHTGKPKYRCTDCKKAFSRKSTLIXKQRIHTGKPKYKCSIECGKAFSVKSTLIVHHTGKPKYBCDCKAFGKPSKSTLIXKQRIHTGKPKY
7115	1	947	NNAHQYNWGLWCVYIYIPPODNLWLDQGDESAPIRTPAMIGCSFVWDIFYVGDIGLIDPGMVEWYGENGENVKGLMRVSQCCGSNLWPLCSRVAHICRTRKPYNNNDIYQAKRNALRARAIVWMDDFKSHVYMANIINSNPQDFGDSRSLRRLQRQLKCRSFKNWLYLWVTPHRYVYNNLILTGEVNNSKASATCLDQQAARDGDRALIYPCHEMSQSVRYQDADLQLQJGLPLGSTAFLPDPSKCLVDDGDTGMRPTLKKCDEVARPTORLWFCTQSGPIVSRMTRGCRLEBEVMSKDNQGLRLWVQRCGSGKQNMIRWIKHAR
7116	866	95	RVRMMRNRNAEVIKEEKSKEWAKFRPCEPWKGPYNIDPETDPTDVWPGSVINNIISINTVREVDHLDRLDRNSGESSSSNLTLTSLCWAASSIR